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Get ahead in HTML5, including markup, styling, and scripting, with many practical examples and best practice insights. You'll quickly understand HTML5 markup elements and when to use them, and then apply the latest CSS3 features to create amazing web pages. Pro HTML5 with CSS, JavaScript, and Multimedia teaches the fundamentals of client-side scripting and covers the

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immense functionality available with HTML5. Learn to use JavaScript to create web applications that are dynamic and interactive, and add advanced features, including audio, video, SVG, and drag and drop capabilities. Using practical hands-on demonstrations you will access a larger set of technologies to create more diverse and powerful websites and applications. What You'll Learn How, and when, to use all the HTML5 markup tags Use CSS3 features to simplify website design Master JavaScript fundamentals and advanced features Use

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**SVG and the canvas tag to incorporate graphics/
Leverage the native browser support for Geolocation, IndexedDB, and drag and drop capabilities/
Who This Book Is For/
Web developers and designers who want to increase their HTML5 skills to create modern interactive websites**

Scalable Vector Graphics (SVG) is an image format, so text isn't the first thing you might think of when considering its uses. But one of SVG's key features is its ability to encode text in a machine-readable form.

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This book takes a deep dive into the use of text within SVG to explore the creative possibilities as well as the potential pitfalls. You'll start with SVG's text basics, and then learn methods for using SVG to generate complex layouts. If you're an intermediate SVG developer familiar with CSS-styled HTML text, you're ready to get going. This book covers: The SVG text and tspan elements, and basic attributes for positioning simple text labels within a graphic SVG's fill and stroke properties for controlling text's visual appearance

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Complex text layouts, using formatted poetry as examples
Features to set the position and orientation of individual text characters
Multidirectional text, including right-to-left horizontal text and vertical text
Curved or complex text layouts with the textPath element
Font options for your SVG, including web fonts, and their impact on text layout

Using Scalable Vector Graphics (SVG) for illustrations only scratches the surface of this format's potential on the web. With this practical guide, you'll learn how to use SVG

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not only for illustrations but also as graphical documents that you can integrate into complex HTML5 web pages, and style with custom CSS. Web developers will discover ways to adapt designs by adding data based graphics, dynamic styles, interaction, or animation. Divided into five parts, this book includes: SVG on the web: Understand how SVG works with HTML, CSS, and JavaScript to define graphics Drawing with markup: Learn the vector language of x and y coordinates that let SVG create basic and custom shapes Putting graphics in their

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place: Use the coordinate system to draw SVG shapes and text at different scales and positions Artistic touches: Explore how color is used, how strokes are created and manipulated, and how graphical effects like filters, clipping, and masking are applied SVG as an application: Make your graphic more accessible to humans and computers, and learn how to make it interactive or animated

This book is designed for you if you are a frontend web developer; it requires a solid knowledge of CSS syntax and of the most

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**common CSS2 properties and selectors.
Complete Website Development and Best
Practices**

Practical SVG

HTML5 Hacks

**Programming in HTML5 with JavaScript and
CSS3**

Painting Vector Graphics

Building Web Applications with SVG

SVG Animations

Create rich interactivity with Scalable Vector
Graphics (SVG) Dive into SVG—and build striking,

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interactive visuals for your web applications. Led by three SVG experts, you'll learn step-by-step how to use SVG techniques for animation, overlays, and dynamic charts and graphs. Then you'll put it all together by building two graphic-rich applications. Get started creating dynamic visual content using web technologies you're familiar with—such as JavaScript, CSS, DOM, and AJAX. Discover how to: Build client-side graphics with little impact on your web server Create simple user interfaces for mobile and desktop web browsers Work with complex

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shapes and design reusable patterns Position, scale, and rotate text elements using SVG transforms Create animations using the Synchronized Multimedia Integration Language (SMIL) Build more powerful animations by manipulating SVG with JavaScript Apply filters to sharpen, blur, warp, reconfigure colors, and more Make use of programming libraries such as Pergola, D3, and Polymaps CSS has grown from a language for formatting documents into a robust language for designing web applications. Its simplicity is deceptive,

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however. It belies the complexity of the box model, stacking contexts, specificity, and the cascade. CSS mastery lies in understanding these concepts and how to take advantage of them. This book will show you how to write better, more efficient CSS, and to use the plethora of the new cutting-edge CSS features available to the front-end developer. You'll also learn to master tools that will improve your workflow. Organize your CSS to create efficient, reusable, and maintainable code Discover complex layout techniques: grid layouts, multi-

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column layouts, and more Use advanced effects: transitions, transforms, filter effect, and animations Re-use and dynamically control CSS values with custom properties Combine CSS and SVG to create seriously powerful graphics This edition has been thoroughly updated to cover newer CSS features and techniques, including new chapters on visual effects and managing document scroll.

Summary Hello! HTML5 & CSS3 is written for the web designer or developer who wants a fast, example-oriented introduction to the new HTML

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and CSS features. This snappy, user-friendly, and fun guide will get you started right away. About this Book Whether you're building web pages, mobile apps, or desktop apps, you need to learn HTML5 and CSS3. So why wait? Hello! HTML5 & CSS3 is a smart, snappy, and fun way to get started now. In this example-rich guide to HTML5 and CSS3, you'll start with a user-friendly introduction to HTML5 markup and then take a quick tour through forms, graphics, drag-and-drop, multimedia, and more. Next, you'll explore CSS3, including new features like drop shadows,

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borders, colors, gradients, and backgrounds. Every step of the way, you'll find hands-on examples, both large and small, to help you learn by doing. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's inside Easy-to-follow intro to HTML5 and CSS3 Fully illustrated and loaded with examples Designed for low-stress learning No prior experience needed! Table of Contents PART 1 LEARNING HTML5 Introducing HTML5 markup HTML5 forms Dynamic graphics Audio

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and video Browser-based APIs Network and location APIs PART 2 LEARNING CSS3 New CSS language features Layout with CSS3 Motion and color Borders and backgrounds with CSS3 Text and fonts

With 90 detailed hacks, expert web developers Jesse Cravens and Jeff Burtoft demonstrate intriguing uses of HTML5-related technologies. Each recipe provides a clear explanation, screenshots, and complete code examples for specifications that include Canvas, SVG, CSS3, multimedia, data storage, web workers,

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WebSockets, and geolocation. You'll also find hacks for HTML5 markup elements and attributes that will give you a solid foundation for creative recipes that follow. The last chapter walks you through everything you need to know to get your HTML5 app off the ground, from Node.js to deploying your server to the cloud. Here are just a few of the hacks you'll find in this book: Make iOS-style card flips with CSS transforms and transitions Replace the background of your video with the Canvas tag Use Canvas to create high-res Retina Display-ready media Make

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elements on your page user-customizable with
editable content Cache media resources locally
with the filesystem API Reverse-geocode the
location of your web app user Process image
data with pixel manipulation in a dedicated web
worker Push notifications to the browser with
Server-Sent Events

SVG Essentials

Pocket Primer

CSS Secrets

CSS Master

Exam Ref 70-480 Programming in HTML5 with

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JavaScript and CSS3 (MCSD)

Pro CSS3 Animation

Learning Web Design

Pro CSS3 Animation will teach you how to use fresh new CSS3 syntax to fully utilize this exciting tool for web design. Using cutting-edge industry standards and drawing on best practices for animation, you will learn how to apply CSS3 animation to transform and bring your page content to life. CSS3 is the way forward for web page interactivity and animation, offering new and exciting options for design. Integrated with HTML5, SVG and mobile design methodologies, you can bring sites into the third dimension to change the perception and appreciation generated in your audience. This book will teach you how to: Enhance your web

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pages, and your visitor's experience of your site, with animation Animate images and other page content to create banners, interactive galleries and slideshows Provide fallback and support options for older browsers Chain CSS3 syntax with @media queries, filters and 3D transformations to create responsive animations with depth Provide animation to mobile devices without Flash or JavaScript

Today's web technologies are evolving at near-light speed, bringing the promise of a seamless Internet ever closer to reality. When users can browse the Web on a three-inch phone screen as easily as on a fifty-inch HDTV, what's a developer to do? Peter Gasston's The Modern Web will guide you through the latest and most important tools of device-agnostic web development, including HTML5, CSS3, and JavaScript. His plain-English explanations

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and practical examples emphasize the techniques, principles, and practices that you'll need to easily transcend individual browser quirks and stay relevant as these technologies are updated. Learn how to: –Plan your content so that it displays fluidly across multiple devices –Design websites to interact with devices using the most up-to-date APIs, including Geolocation, Orientation, and Web Storage –Incorporate cross-platform audio and video without using troublesome plug-ins –Make images and graphics scalable on high-resolution devices with SVG –Use powerful HTML5 elements to design better forms Turn outdated websites into flexible, user-friendly ones that take full advantage of the unique capabilities of any device or browser. With the help of The Modern Web, you'll be ready to navigate the front lines of device-independent development.

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Designed to help experienced programmers develop real-world, job-role-specific skills—this Training Guide focuses on creating applications with HTML5, JavaScript, and CSS3. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job.

Provides in-depth, hands-on training you take at your own pace

Focuses on job-role-specific expertise for using HTML5, JavaScript, and CSS3 to begin building modern web and Windows 8 apps Features pragmatic lessons, exercises, and practices Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-480 Coverage includes: creating HTML5 documents; implementing styles with CSS3; JavaScript in depth; using Microsoft developer tools; AJAX; multimedia support; drawing with Canvas and SVG;

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drag and drop functionality; location-aware apps; web storage; offline apps; writing your first simple Windows 8 apps; and other key topics

Thoroughly revised and updated with examples rewritten to conform to HTML5, CSS3, and contemporary web development practices, this easy-to-understand, step-by-step tutorial helps you quickly master the basics of HTML and CSS before moving on to more advanced topics such as graphics, video, and interactivity with JavaScript and jQuery. In just one hour a day, you'll learn the skills you need to design, create, and maintain a professional-looking website. No previous experience required. By following each short, one-hour lesson in this book, anyone can learn the basics of web development. Learn at your own pace. You can work through each lesson sequentially to make sure you thoroughly

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understand all the concepts and methodologies, or you can focus on specific lessons to learn the techniques that interest you most. Test your knowledge. Each lesson ends with a Workshop section filled with questions, answers, and exercises for further study. Learn how to... Fully implement the HTML5 and CSS3 standards Work with text and create links Add images and graphics to your page Use CSS to style a site and position elements on a page Structure a page with HTML5 Use responsive web design to make your pages look good on different-sized screens Use JavaScript to add dynamic elements and interactivity on your pages Leverage jQuery to add JavaScript features to your pages Design for the mobile web Get your site online and let people know it's there Optimize your site for search engines Contents at a Glance PART I: Getting Started 1 What Is Web Publishing 2 Getting Your Tools

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in Order 3 Introducing HTML and CSS PART II: Creating Web Pages 4 Learning the Basics of HTML 5 Organizing Information with Lists 6 Working with Links PART III: Doing More with HTML and CSS 7 Formatting Text with HTML and CSS 8 Using CSS to Style a Site 9 Using Images on Your Web Pages 10 Building Tables 11 Using CSS to Position Elements on a Page 12 Designing Forms 13 Structuring a Page with HTML5 14 Integrating Multimedia: Video and Sound 15 Advanced CSS: Page Layout in CSS 16 Using Responsive Web Design PART IV: Using JavaScript and jQuery 17 Introducing JavaScript 18 Using jQuery 19 Using JavaScript in Your Pages 20 Working with Frames and Linked Windows PART V: Designing for Everyone 21 Designing for the Mobile Web 22 Designing for User Experience PART VI: Going Live on the Web 23 How to Publish Your Site 24 Taking

Where To Download Using Svg With Css3 And Html5 Vector Graphics For

Advantage of the Server 25 Search Engines and SEO

Beginning SVG

Android Studio New Media Fundamentals

A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics

Mastering SVG

HTML5 and CSS3, Illustrated Complete

Designing Next Generation Web Projects with Css3

Sergey's Html5 & Css3

Provides information on Web development for multiple devices, covering such topics as structure and semantics, device APIs, multimedia, and Web apps.

Everything you need to build websites with

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the newest versions of HTML and CSS. If you develop websites, you know that the goal posts keep moving, especially now that your website must work on not only traditional desktops, but also on an ever-changing range of smartphones and tablets. This step-by-step book efficiently guides you through the thicket. Teaching you the very latest best practices and techniques, this practical reference walks you through how to use HTML5 and CSS3 to develop attractive, modern websites for today's multiple devices.

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From handling text, forms, and video, to implementing powerful JavaScript functionality, this book covers it all. Serves as the ultimate beginners guide for anyone who wants to build websites with HTML5 and CSS3, whether as a hobbyist or aspiring professional developer. Covers the basics, including the different versions of HTML and CSS and how modern websites use structure and semantics to describe their contents. Explains core processes, such as marking up text, images, lists, tables, forms,

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audio, and video Delves into CSS3, teaching you how to control or change the way your pages look and offer tips on how to create attractive designs Explores the jQuery library and how to implement powerful JavaScript features, such as tabbed content, image carousels, and more Get up to speed on HTML5, CSS3, and today's website design with this practical guide. Then, keep it on your desk as a reference!

As a vector graphics format, SVG uses precisely-defined geometric shapes to build

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an image. But that doesn't mean that SVG graphics have to look like technical drawings. SVG graphics can be shaded, textured, built from partially-transparent overlapping layers, or even filled with photographic images. SVG Colors, Patterns, and Gradients takes an in-depth look at the different ways SVG text and shapes can be painted on the screen or page. You'll start with an overview of how color is defined, including the various ways you can control the transparency of SVG content. You'll then dive deep into the concept of an

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SVG paint server: gradients, patterns, and other complex graphical content that can be used to fill-in or outline other SVG shapes and text.

This book is a brief primer covering concepts central to digital imagery, digital audio and digital illustration using open source software packages such as GIMP, Audacity and Inkscape. These are used for this book because they are free for commercial use. The book builds on the foundational concepts of raster, vector and waves (audio), and gets

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more advanced as chapters progress, covering what new media assets are best for use with Android Studio as well as key factors regarding the data footprint optimization work process and why it is important. What You Will Learn

- *What are the primary genres of new media content production*
- *What new media assets Android Studio supports*
- *What are the concepts behind new media content production*
- *How to Install and use GIMP, Inkscape, and Audacity software*
- *How to integrate that software with Android Studio,*

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*fast becoming the most popular IDE for
Android apps design and development
Audience Primary audience includes Android
developers, especially game
designers/developers and others who need
access to multimedia elements. Secondary:
multimedia producers, RIA developers, game
designers, UI designers, and teachers.*

Develop and Design

*Pro HTML5 with CSS, JavaScript, and
Multimedia*

Vector Graphics for Web Design

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70-480

*Ace web animations, visualizations, and
vector graphics with HTML, CSS, and
JavaScript*

*From Common UX Implementations to
Complex Responsive Animation
Training Guide*

Today's learners master the HTML5 and CSS3 skills
needed to create exceptional web design with this
practical, user-friendly book from the popular Illustrated
Series. Vodnik's latest HTML5 AND CSS3
ILLUSTRATED COMPLETE, 2E covers basic to

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advanced concepts and skills for developing web pages and websites using the most current versions of HTML5 and CSS3. Readers learn to create dynamic websites that incorporate forms, videos, JavaScript, cutting-edge CSS3, and more. Updates throughout this new edition address responsive design and integrate mobile design and testing. HTML5 AND CSS3 ILLUSTRATED COMPLETE, 2E meets the needs of a broad range of users with “nuts-and-bolts” introductions for beginners and the flexibility to efficiently review the basics and quickly progress to more advanced topics for more experienced users. Each two-page spread focuses on a single skill, making information

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easy to follow and absorb. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. HTML and CSS are the most essential and fundamental web languages, which provide the foundation for the vast majority of web sites and web applications. HTML5 is on track to become the future of the web, offering simple plug-in free Rich Internet Application capabilities, easier development, and enhanced user experience. This book is an essential technical dictionary for professional web designers and developers, conveniently summarizing over 3000 pages of (X)HTML5 and CSS3 specifications and

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covering the most common and fundamental concepts and specs, including tags, attributes, values, objects, properties, methods, events, and APIs. TOC at glance:
Intro to HTML5 Overview9 About this book9 What is HTML?10 Major HTML versions10 HTML5 10 XHTML511 CSS311 Why use HTML5 11 HTML5 advantages11 Who this book is for12 HTML5 Branding12 The logo13 The technology class icons13 2. HTML Syntax HTML document15 Basics15 Elements and Tags. Tag nesting15 Void Elements. Attributes. Boolean attribute16 XHTML5. Polyglot HTML document17 Document Type and Structure. MIME Type18 Common

Where To Download Using Svg With Css3 And Html5 Vector Graphics For

MIME Types19 Document Object Model (DOM)20
Semantic Elements20 Syntax Summary. General Syntax
Rules21 (X)HTML5 void tag syntax22 HTML5 elements
with optional tags23 Elements by Type25 Browser
Compatibility Scripting. Modernizr26 HTML5 enabling
scripts - Polyfills27 3. HTML5 Elements General
Definitions29 Chapter Legend & Conventions29
Summary of HTML5 Elements29 HTML5 Elements29
HTML5 Browser Compatibility 65 4. Form Elements &
Globals HTML5 Forms aka Web Forms 2.067 Input and
Output elements67 HTML5 types and attributes67
HTML5 element70 Input Type/Attribute Matrix71 Global

Where To Download Using Svg With Css3 And Html5 Vector Graphics For

Attributes72 Summary72 Global Events74 HTML Event
Handler Attributes74 Window74 Form75 Keyboard76
Mouse76 Media77 5. CSS3 CSS Basics. Anatomy of a
CSS Rule79 Typical CSS property locations80 About
CSS Properties80 CSS Cascading Priority81 CSS
Properties82 CSS Box Model83 Background & Borders83
Box Model92 Font96 Marquee97 Text Formatting98
Color108 Multi-column layout108 Grid Positioning110
Flexible Box Layout112 Speech113 Table. Auto
Numbering and Lists117 Animation and Transitions *118
Outline120 2D and 3D Transforms121 CSS3 'Transform'
property functions 122 Generated Content for Paged

Where To Download Using Svg With Css3 And Html5 Vector Graphics For

Media123 Paged Media126 Image Values & Replaced
Content128 Line129 Rubi134 Hyperlink Presentation136
Basic User Interface137 CSS Selector Types140 CSS3
Selectors141 HTML5 Selectors API Level 1and 2 146
CSS3 Browser Compatibility Summary 147 6. HTML5
APIs What is API149 HTML5 and Related
Technologies149 Semantic Web 150 Microdata150
HTML5 + RDFa152 MathML154 WAI-ARIA155 Offline
& Storage156 Web Storage156 HTTP Caching and
Serving158 Indexed Database API159 Web SQL
database162 Device Access163 Contacts API163 Drag
and Drop165 Geolocation168 Media Capture172 File API

Where To Download Using Svg With Css3 And Html5 Vector Graphics For

174 Touch Events176 Real-Time Connectivity177 Web Sockets177 Web Messaging179 Web Workers181 Multimedia and Graphics183 Audio and Video183 Canvas185 Scalable Vector Graphic190 Performance & Integration193 XMLHttpRequest193 Navigation Timing194 Browser Compatibility195

SVG is extremely powerful, with its reduced HTTP requests and crispness on any display. It becomes increasingly more interesting as you explore its capabilities for responsive animation and performance boons. When you animate SVG, you must be aware of normal image traits like composition, color,

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implementation, and optimization. But when you animate, it increases the complexity of each of these factors exponentially. This practical book takes a deep dive into how you can to solve these problems with stability, performance, and creativity in mind. Learn how to make SVG cross-browser compatible, backwards compatible, optimized, and responsive Plan and debug animation Make a complex animation responsive, as many sites are responsive Profile each animation technique in terms of performance so that you know what you're getting in to with each library or native technology

The Truth About HTML5 is for web designers, web

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developers, and front-end coders who want to get up to speed with HTML5. The book isn't afraid to point out what everyone gets wrong about HTML5's new markup, so you don't make the same mistakes. It will show you what rocks in HTML5 today and what the future holds. Marking up a basic web page shouldn't be a quasi-religious exercise where the high priests of HTML5 must be consulted for their interpretation of the holy texts (the HTML5 spec). Don't waste hours trawling through confusing, poorly researched, and often flat-out wrong information on the Internet. Get the truth on HTML5's markup here. You'll also find out about HTML5's new

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microdata standard that's being used on major websites, such as eBay and IMDB, right now, and get the low-down on the Canvas object and what it can and can't do for you. The book also covers how HTML5 affects CMSs and web apps, what HTML5 means for mobile, and what the future holds. HTML5 isn't one big blob of technology that will be "finished" at some point in the future. It's a grab bag of cool stuff, much of which has been around for years. Learn what's well supported and ready to go today. Now that the initial wave of hype is over, it's time to learn the truth about HTML5.

Weighing Aesthetics and Speed

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Covering HTML5, CSS3, and jQuery

CSS3 Pushing the Limits

Tips & Tools for Creating Interactive Web Applications

Mastering HTML5, CSS3, and XML

Level Up with Today's Web Technologies

HTML5 and CSS3

As part of the Pocket Primer series, this book provides an overview of the major aspects and the source code to use SVG. This Pocket Primer is primarily for self-directed learners who want to learn SVG and it serves as a starting point for deeper exploration of its programming. Features:

- **Includes companion files with all of the source code and images from the book**
- **Contains material devoted to SVG gradients and filters,**

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graphics, animation, etc., use with CSS3, D3, Angular2, and covers SVG application programming interfaces and other toolkits • Provides a solid introduction to SVG via complete code samples and images Companion Files: • Source code samples • All images from the text (including 4-color)

As a web designer, you encounter tough choices when it comes to weighing aesthetics and performance. Good content, layout, images, and interactivity are essential for engaging your audience, and each of these elements have an enormous impact on page load time and the end-user experience. In this practical book, Lara Hogan helps you approach projects with page speed in mind, showing you how to test and benchmark which design choices are most critical. To get started, all you need are basic HTML and CSS skills and Photoshop experience. Topics

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include: The impact of page load time on your site, brand, and users Page speed basics: how browsers retrieve and render content Best practices for optimizing and loading images How to clean up HTML and CSS, and optimize web fonts Mobile-first design with performance goals by breakpoint Using tools to measure performance as your site evolves Methods for shaping an organization's performance culture

Prepare for Microsoft Exam 70-480—and help demonstrate your real-world mastery of programming with HTML5, JavaScript, and CSS3. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Implement and manipulate document

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**structures and objects Implement program flow Access and
secure data Use CSS3 in applications This Microsoft Exam Ref:
Organizes its coverage by exam objectives. Features strategic,
what-if scenarios to challenge you.**

**Author Scott Murray teaches you the fundamental concepts and
methods of D3, a JavaScript library that lets you express data
visually in a web browser.**

HTML5 & CSS3 for the Real World

A Practical Introduction to SVG using Real-World Examples

**HTML, CSS & JavaScript Web Publishing in One Hour a Day,
Sams Teach Yourself**

The Modern Web

Quick Reference. PDF EBook (2nd Edition)

Designing for Performance

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Responsive Web Design with HTML5 and CSS3 Essentials
Web Standards: Mastering HTML5, CSS3, and XML provides solutions to the most common web design problems, and gives you a deep understanding of web standards and how they can be implemented to improve your web sites. You will learn how to develop fully standards-compliant, mobile-friendly, and search engine-optimized web sites that are robust, fast, and easy to update while providing excellent user experience and interoperability. The book covers all major web standards for markup, style sheets, web typography, web syndication, semantic annotations, and accessibility. This edition has been fully updated with the latest in web standards, including the finalized

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HTML5 vocabulary and the full list of CSS3 properties. Web Standards: Mastering HTML5, CSS3, and XML is also a comprehensive guide to current and future standards for the World Wide Web, demonstrating the implementation of new technologies to address the constantly growing user expectations. Web Standards: Mastering HTML5, CSS3, and XML presents step-by-step guides based on solid design principles and best practices, and shows the most common web development tools and web design frameworks. You will master HTML5 and its XML serialization, XHTML5, the new structuring and multimedia elements, the most important HTML5 APIs, and understand the standardization process of HTML 5.1, HTML 5.2, and

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future HTML5 versions.

Take the plunge and develop cross-browser-compatible and responsive web designs with SVG Key Features Master the art of custom animations and visualizations with SVG, CSS, and JavaScript Combine SVG with third-party libraries and frameworks such as React, JQuery, D3, and Snap.svg for GUI-rich apps Create an awesome user experience with high-performance graphics for your web applications Book Description SVG is the most powerful image format in use on the web. In addition to producing resolution-independent images for today's multi-device world, SVG allows you to create animations and visualizations to add to your sites and applications. The simplicity of cross-platform markup, mixed with

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familiar modern web languages, such as CSS and JavaScript, creates a winning combination for designers and developers alike. In this book, you will learn how to author an SVG document using common SVG features, such as elements and attributes, and serve SVG on the web using simple configuration tips for common web servers. You will also use SVG elements and images in HTML documents. Further, you will use SVG images for a variety of common tasks, such as manipulating SVG elements, adding animations using CSS, mastering the basic JavaScript SVG (API) using Document Object Model (DOM) methods, and interfacing SVG with common libraries and frameworks, such as React, jQuery, and Angular. You will then build an

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understanding of the Snap.svg and SVG.js APIs, along with the basics of D3, and take a look at how to implement interesting visualizations using the library. By the end of the book, you will have mastered creating animations with SVG. What you will learn Deliver the elements that make up an SVG image Replace your old CSS sprites with SVG Understand animation and data visualization with SVG are explained in pure JavaScript and using common libraries Use SVG to scale images across multiple devices easily Harness the power of CSS animations and transformations to manipulate your SVG images in a replicable, remixable way Interface SVG with common libraries and frameworks, such as jQuery, React, and Angular Who this book is for This book is for

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web developers and designers looking to add animation to their projects. Some experience with HTML, CSS, and JavaScript is required.

Harness the power and possibilities of crisp, performance-efficient SVG. From software basics to build tools to optimization, you'll learn techniques for a solid workflow. Go deeper: create icon systems, explore sizing and animation, and understand when and how to implement fallbacks

Provides information on using CSS3 to build user interfaces, covering such topics as templates, fonts and text, animated effects, icons, layout, and adaptive design.

Beginning HTML and CSS

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**Training Guide Programming in HTML5 with JavaScript
and CSS3 (MCSD)**

HTML5 Graphics with SVG & CSS3

Web Standards

Interactive Data Visualization for the Web

Practical CSS3

Programming in HTML with JavaScript and CSS3

Scalable Vector Graphics -- or SVG -- is the new XML-based graphics standard from the W3C that will enable Web documents to be smaller, faster and more interactive. J.

David Eisenberg's insightful book takes you through the ins and outs of SVG, beginning with basics needed to create simple line drawings and then moving through more complicated features like filters, transformations, and

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integration with Java, Perl, and XSLT. Unlike GIFs, JPEGs or PNGs (which are bitmapped), SVG images are both resolution- and device-independent, so that they can scale up or down to fit proportionally into any size display or any Internet device -- from PDAs to large office monitors and high-resolution printers. Smaller than bitmapped files and faster to download, SVG images can be rendered with different CSS styles for each environment. They work well across a range of available bandwidths. SVG makes it possible for designers to escape the constant need to update graphics by hand or use custom code to generate bitmap images. And while SVG was created with the Web in mind, the language has a variety of other uses. SVG greatly simplifies tasks like: Creating web sites whose graphics reflect the content of the page,

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changing automatically if the content changes
Generating graphs and charts from information stored in a wide variety of sources
Exchanging detailed drawings, from architectural plans to CAD layouts to project management diagrams
Creating diagrams that users can explore by zooming in and panning around
Generating bitmap images for use in older browsers using simple automatable templates
Managing graphics that support multiple languages or translations
Creating complex animation
By focusing sharply on the markup at the foundation of SVG, SVG Essentials gives you a solid base on which to create your own custom tools.
Explanations of key technical tools -- like XML, matrix math, and scripting -- are included as appendices, along with a reference to the SVG vocabulary. Whether you're a graphic

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designer in search of new tools or a programmer dealing with the complex task of creating and managing graphics, SVG Essentials provides you with the means to take advantage of SVG.

Want to create exciting HTML5 graphics without spending eternity in JavaScript? You can! This practical guide provides a jumping off point for web developers who want to use Scalable Vector Graphics (SVG) in HTML5, using the bare minimum of JavaScript code. You'll learn the basics of both CSS 3.0 and SVG—two declarative languages that have a fairly tight relationship with HTML5, and with each other. Now that SVG is supported in all contemporary browsers with the release of Internet Explorer 9.0, this is the time to get moving on SVG. This book shows you the way.

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Presents information on using HTML and CSS to create Web pages, covering such topics as HTML5 forms, audio and video, embedded fonts, gradients, transitions, and offline Web apps.

Do you want to build web pages, but have no previous experience? This friendly guide is the perfect place to start. You'll begin at square one, learning how the Web and web pages work, and then steadily build from there. By the end of the book, you'll have the skills to create a simple site with multi-column pages that adapt for mobile devices. Learn how to use the latest techniques, best practices, and current web standards—including HTML5 and CSS3. Each chapter provides exercises to help you to learn various techniques, and short quizzes to make sure you understand key

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concepts. This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels, whether you're a beginner or brushing up on existing skills. Build HTML pages with text, links, images, tables, and forms Use style sheets (CSS) for colors, backgrounds, formatting text, page layout, and even simple animation effects Learn about the new HTML5 elements, APIs, and CSS3 properties that are changing what you can do with web pages Make your pages display well on mobile devices by creating a responsive web design Learn how JavaScript works—and why the language is so important in web design Create and optimize web graphics so they'll download as quickly as possible

SVG Colors, Patterns & Gradients

Page 59/74

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A User Friendly Reference Guide

The Truth About HTML5

A Curated Collection of Chapters from the O'Reilly SVG
Library

Hello! HTML5 & CSS3

Using SVG with CSS3 and HTML5

Multi-device Web Development with HTML5, CSS3, and
JavaScript

Push CSS3 and your design skills to the limit—andbeyond!

Representing an evolutionary leap forward for CSS, CSS3
ischock-full of new capabilities that dramatically expand
theboundaries of what a styling language can do. But many of
those newfeatures remain undocumented, making it difficult
to learn whatthey are and how to use them to create the

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sophisticated sites and web apps clients demand and users have grown to expect. Until now. This book introduces you to all of CSS3 ' s new and advanced features, and, with the help of dozens of real-world examples and live demos, it shows how to use those features to design dazzling, fully-responsive sites and web apps. Among other things, you ' ll learn how to:

- Use advanced selectors and an array of powerful new text tools
- Create adaptable background images, decorative borders, and complex patterns
- Create amazing effects with 2D and 3D transforms, transitions, and keyframe-based animations
- Take advantage of new layout tools to solve an array of advanced layout challenges—fast
- Vastly simplify responsive site design using media queries and new layout modules
- Create abstract and scalable shapes and

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icons with pseudo-elements • Leverage preprocessors and use CSS like a programming language within a stylesheet context Don ' t pass up this opportunity to go beyond the basics and learn what CSS3 can really do!

Focuses on using HTML5 to begin building Windows 8 and web apps.

HTML5 and CSS3 are more than just buzzwords--they're the foundation for today's web applications. This book gets you up to speed on the HTML5 elements and CSS3 features you can use right now in your current projects, with backwards compatible solutions that ensure that you don't leave users of older browsers behind. This new edition covers even more new features, including CSS animations, IndexedDB, and client-side validations. HTML5 and CSS3 power today's web

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applications, with semantic markup, better forms, native multimedia, animations, and powerful APIs. You'll get hands-on with all the new features with practical example projects, and find what you need quickly with this book's modular structure. "Falling Back" sections show you how to create solutions for older browsers, and "The Future" sections at the end of each chapter get you excited about the possibilities when features mature. This revised second edition walks you through new features such as IndexedDB, CSS Animations, SVG, and more, along with updated fallback solutions. You'll use HTML5's new markup to create better structure for your content and better interfaces for your forms. You'll work with new form controls and validations, and build interfaces that are accessible to assistive technology and mobile devices.

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You'll draw with the Canvas and SVG, do simple animations with pure CSS, work with advanced CSS selectors, and make audio and video play natively. You'll bring your web apps to the next level as you use Web Storage and IndexedDB to save data on the client and make applications available offline. And you'll discover how to use web sockets, geolocation, cross-document messaging, and the History API to create even more interactive applications. Today, you have the flexibility that used to be only available through large JavaScript libraries or proprietary plugins. Get ready for today's web. What You Need: You'll need the latest versions of Google Chrome, Firefox, Opera, and Internet Explorer, along with a text editor with good support for HTML5 and CSS3 syntax. Instructions for testing on older versions of

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Internet Explorer are included in the book.

Develop SVG functionality for use within websites quickly and natively, using basic tools such as HTML and CSS. This book is a project-oriented guide to creating and manipulating scalable vector graphics in the browser for websites or online applications, using little more than a text editor or free software, and the power of JavaScript. You'll use a starting toolset to incorporate into your existing workflow, develop future projects, and reduce any dependency on graphics applications for simple projects. This book is an excellent resource for getting acquainted with creating and manipulating SVG content. We live in an age where speed and simplicity are of the essence. Beginning SVG provides a perfect alternative when creating web-based projects that

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challenges the norm and encourages you to expand your resources and not resort to what “ everyone else uses ” (such as Illustrator). You'll discover that there is indeed a different way to achieve the same result. Stop thinking you must always resort to using graphics packages; there is always another way! What You'll Learn Create powerful, optimized content that can be quickly and easily manipulated within the browser Get up to speed with SVG quickly, with minimal effort and maximum results See how easy it is to apply SVG content and effects, without the need for lots of additional tools. Who This Book Is For Website developers and agile development teams who are keen to learn how to add and manipulate SVG quickly.

Better Solutions to Everyday Web Design Problems

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Content Production of Digital Audio/Video, Illustration and 3D
Animation

Multi-Device Web Development with HTML5, CSS3, and
JavaScript

Modern SVG

SVG

HTML5 Advertising

Words as Art

Web advertising is changing. What was once a predominantly Flash-based medium is making the switch to HTML5, with the benefit of a plug-in free environment giving a larger audience for ads, and better integration with the page they are featured on. We live in a time where marketers, designers, and

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developers are confused as to what they can and can't do on different devices, browsers, and operating systems. What better way to finally make sense of it all, than by stepping through the entire campaign process on your own terms? HTML5 Advertising will educate you on the whole digital advertising process from start to finish, and help you take advantage of new HTML5 features such as canvas, CSS3 animations, DOM events, audio and video, and offline storage. You'll also learn how to get around discrepancies in browser support with JavaScript and polyfills. You will be provided with tips and tricks to better optimize content across screens and make the most successful campaign with the lightest footprint possible, which is especially

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important when deploying to mobile devices. This book: Takes you through the advertising campaign process with HTML5 from design to delivery Provides in-depth knowledge into the digital advertising landscape and the HTML5 specification Communicates tips and tricks coming from Flash and ActionScript to HTML5, CSS3 and JavaScript. HTML5 Advertising equips you with the knowledge to attack cutting-edge, rich media projects with confidence and scale, while also learning the essentials to communicate to internal and external clients. HTML5 is here whether you like it or not, so why not jump in early and head down the path of building the future.

Design and deliver an optimal user experience for all

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devices About This Book Get to grips with the core functionality of RWD through examples Discover how to make layouts, content and media flexible, and explore why a content-first approach is more effective Maximize the performance of your web pages so that they work across all browsers and devices irrespective of the screen size Who This Book Is For This book is for web designers who are familiar with HTML and CSS, and want to begin with responsive web design. Web development experience and knowledge of HTML5, CSS3 is assumed. What You Will Learn Explore various layout options Understand what can be achieved in the browser, without the use of third-party tools Executing media queries to benefit responsive

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designs Understand the basics of responsive workflow and boilerplate frameworks Improve performance of responsive web design Maintain compatibility across various browsers In Detail Responsive web design (RWD) is a web design approach aimed at crafting sites to provide an optimal viewing and interaction experience—providing easy reading and navigation with minimum resizing, panning, and scrolling—and all of this across a wide range of devices from desktop computer monitors to mobile phones. Responsive web design is becoming more important as the amount of mobile traffic now accounts for more than half of the Internet's total traffic. This book will give you in depth knowledge about the basics of responsive web design. You will

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embark on a journey of building effective responsive web pages that work across a range of devices, from mobile phones to smart TVs, with nothing more than standard markup and styling techniques. You'll begin by getting an understanding of what RWD is and its significance to the modern web. Building on the basics, you'll learn about layouts and media queries. Following this, we'll dive into creating layouts using grid based templates. We'll also cover the important topic of performance management, and discover how to tackle cross-browser challenges. Style and approach This is a practical example-based book which will delve into various elements and benefits of a responsive web design. It will help you understand the essential skills

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needed to create responsive web sites and guide you through the basics of building responsive web pages for any device. The topics are a blend of theoretical and practical essentials which will assist you to explore more about responsive web design.

In this practical guide, CSS expert Lea Verou provides 47 undocumented techniques and tips to help intermediate-to advanced CSS developers devise elegant solutions to a wide range of everyday web design problems. Rather than focus on design, CSS Secrets shows you how to solve problems with code. You'll learn how to apply Lea's analytical approach to practically every CSS problem you face to attain DRY, maintainable, flexible, lightweight, and standards-

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compliant results. Inspired by her popular talks at over 60 international web development conferences, Lea Verou provides a wealth of information for topics including: Backgrounds and Borders Shapes Visual Effects Typography User Experience Structure and Layout Transitions and Animations SVG Text Layout