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# Mastering Responsive Web Design



## Synopsis

Push your HTML and CSS skills to the limit and build professional grade, responsive websites

About This Book Take your RWD skills to the next level with HTML5 and CSS3 best practices that will give you a solid foundation to build out from Harness the power of the CSS pre-processor Sass to speed up the creation of your CSS Each chapter dives deep in to different aspects of RWD and is designed to get you up to speed with the latest developments in professional web design

Who This Book Is For If you're already building responsive designs and are looking to level up your skills, then Mastering Responsive Web Design is the book for you. Regardless of whether you're a web designer, or web developer, you'll find something here to help you in your responsive design journey.

What You Will Learn

- Install and use Sass with SCSS syntax to create your CSS
- Use HTML5 tags the right way, for the right type of content
- Enhance the experience of users with assistive technology with ARIA roles
- Design with a desktop-first approach, but implement with mobile-first methodology
- Master your layouts by creating your own scalable CSS grid, or using Flexbox for total layout 'flexibility'
- Retrofit your old web sites with your new responsive design skills
- Deal with legacy browsers, and learn how to keep your designs consistent
- Implement widely used responsive patterns, such as the "drawer navigation", the "off-canvas" and the "flexbox-based" navigation patterns
- Find the best way to serve the right type of image and how to make videos responsive
- Build custom responsive emails to ensure the message gets across regardless of the device

In Detail Building powerful and accessible websites and apps using HTML5 and CSS3 is a must if we want to create memorable experiences for our users. In the ever-changing world of web design and development, being proficient in responsive web design is no longer an option: it is mandatory. Each chapter will take you one step closer to becoming an expert in RWD. Right from the start your skills will be pushed as we introduce you to the power of Sass, the CSS preprocessor, to increase the speed of writing repetitive CSS tasks. We'll then use simple but meaningful HTML examples, and add ARIA roles to increase accessibility. We'll also cover when desktop-first or mobile-first approaches are ideal, and strategies to implement a mobile-first approach in your HTML builds. After this we will learn how to use an easily scalable CSS grid or, if you prefer, how to use Flexbox instead. We also cover how to implement images and video in both responsive and responsible ways. Finally, we build a solid and elegant typographic scale, and make sure your messages and communications display correctly with responsive emails.

Style and approach Designing and developing for the web should be fun, and that's the tone used in the book. This book is written in a step-by-step format with clean-cut examples. You will also find tips and notes all over the book to help clarify those small and simple details most books and tutorials

assume you already know.

## Book Information

File Size: 8231 KB

Print Length: 336 pages

Publisher: Packt Publishing; 1 edition (August 24, 2015)

Publication Date: August 24, 2015

Sold by: Digital Services LLC

Language: English

ASIN: B012GGB7OI

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #723,615 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #175

in Books > Computers & Technology > Web Development & Design > User Generated Content

#524 in Kindle Store > Kindle eBooks > Computers & Technology > Web Site Design #2302

in Books > Computers & Technology > Web Development & Design > Web Design

## Customer Reviews

This book takes responsive web design to a new level, a true professional level far away from myths and speculations. It is a complete walk through all steps you need in order to achieve true responsive design using best techniques available today. From using SASS to develop powerful CSS styles to adopting grid or flex frameworks to lay out all elements and get a pretty looking design no matter which device is used to watch the site. There are plenty of examples and code along the book that you can copy paste and test or use in your own work. The chapter I found most useful is the one about images and video, that gives you smart tricks to deal with heavy media files and reduce their size without compromising the overall quality. Some basic web developing knowledge is advised to get the most out of this book.

A great resource for anyone making websites that will be used on mobile devices. It is obvious that Ricardo has put a lot of time and research into this book. Each chapter explores concepts in detail, provides coded examples and links to even more detail. Ricardo writes in a very "conversational"

way. You feel like he's talking you through each concept. In chapter 1 he explores concepts that go into a responsive web design. In chapter 2 he dives into new tools in HTML5 that help make a mobile friendly design possible. In chapter 3 he provides a detail comparison of mobile-first to desktop-first concepts. In chapter 4 he takes a deep look at grids, frameworks, UI kits and flexbox. In chapter 5 he talks about designing websites for small screens. In chapter 6 he does a fantastic job detailing a process to get the best out of images, using the `element` and the `srcset` attribute. In chapter 7 he explores typography, web fonts and best usage without making too many web calls. In chapter 8 he provides what I consider as "bonus content". He explores concepts to make your email newsletters responsive. Again, if you're a frontend web developer or a web designer working with code, this is a great reference and resource book.

This book makes me jump from a totally beginner with zero knowledge about the topic, to a developer with sufficient knowledge to start every project my boss ask me, with a deep approach we can have a really useful tools kit to make responsible web as we would like to make, it covers all I need to make desktop and mobile responsible designs, but I have to say that most of this content was new for me, but this book gives all I need to start working, I easily could understand all the book content, is really easy to understand, I liked the fact that now I can do my responsive sites, like the author said, I feel like I have superpowers too.

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