



HTML5和CSS3响应式 页面设计 第2版（影印版）

Responsive Web Design with HTML5 and CSS3
Second Edition

Ben Frain 著

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He has written four equally underrated (his opinion) screenplays and still harbors the (fading) belief he might sell one. Outside of work, he enjoys simple pleasures. Playing indoor football while his body and wife still allow it, and wrestling with his two sons.

His other book, *Sass and Compass for Designers* is available now. Visit Ben online at www.benfrain.com and follow him on Twitter at twitter.com/benfrain.

I'd like to thank the technical reviewers of this book for giving up their free time to provide valuable input. Thanks to them, this is a better product.

I'd also like to thank the web community at large for their continued sharing of information. Without them, I wouldn't be able to enjoy my working days as a web developer.

Most importantly, a note of appreciation for my family. Many episodes of sub-standard TV (wife), cups of tea (parents), and piratical sword-fights (sons) were sacrificed for the writing of this book.

About the Reviewers

Esteban S. Abait is a senior software architect and former PhD student. He has experience devising the architecture of complex software products, and planning their development. He has worked both onsite and offshore for clients such as Cisco, Intuit, and Southwest. Throughout his career, he has worked with different technologies such as Java, PHP, Ruby, and Node.js among others. In recent years, his main interests have revolved around web, mobile and REST APIs. He has developed large, maintainable web applications using JavaScript. In addition, he has worked to assess clients on REST best practices. On the other hand, he has worked on high traffic websites, where topics such as replication, sharding, or distributed caches are key to scalability.

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Globant (<http://www.globant.com/>) is a new breed of technology service provider, focused on delivering innovative software solutions by leveraging emerging technologies and trends. Globant combines the engineering and technical rigor of IT service providers with the creative and cultural approach of digital agencies. Globant is the place where engineering, design, and innovation meet scale.

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Mauvis has contributed to products at Disney Mobile, Skype, Netflix, and many start-ups in the San Francisco and New York City areas. He is currently CTO at Pathbrite, an EdTech start-up specializing in free, responsive, multimedia e-portfolios and digital resumes for everyone. Create your own at <http://www.pathbrite.com>.

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Preface

A responsive web design provides a single solution that looks great on a phone, desktop, and everything in-between. It will effortlessly respond to the size of the user's screen, providing the best experience possible for both today's and tomorrow's devices.

This book covers every essential aspect of responsive web design. In addition, it extends the responsive design methodology by applying the latest and most useful techniques provided by HTML5 and CSS3, making designs leaner and more maintainable than ever before. It also explains common best practice methods of writing and delivering code, images, and files.

If you can understand HTML and CSS, you can build a responsive web design.

What this book covers

Chapter 1, The Essentials of Responsive Web Design, is a whistle-stop tour of the key ingredients in coding a responsive web design.

Chapter 2, Media Queries – Supporting Differing Viewports, covers everything you need to know about CSS media queries: their capabilities, their syntaxes, and the various ways you can wield them.

Chapter 3, Fluid Layouts and Responsive Images, shows you how to code proportional layouts and responsive images, and provides a thorough exploration of Flexbox layouts.

Chapter 4, HTML5 for Responsive Web Designs, covers all the semantic elements of HTML5, text-level semantics, and considerations of accessibility. We also cover how to insert video and audio into our pages with HTML5.

Chapter 5, CSS3 – Selectors, Typography, Color Modes, and New Features, gets to grips with the endless possibilities of CSS: selectors, HSLA and RGBA colors, web typography, viewport relative units, and a whole lot more.

Chapter 6, Stunning Aesthetics with CSS3, covers CSS filters, box shadows, linear and radial gradients, multiple backgrounds, and how to target background images to high-resolution devices.

Chapter 7, Using SVGs for Resolution Independence, explains everything we need to use SVGs inside documents and as background images, as well as how to interact with them using JavaScript.

Chapter 8, Transitions, Transformations, and Animations, our CSS gets moving as we explore how to make interactions and animations using CSS.

Chapter 9, Conquer Forms with HTML5 and CSS3, web forms have always been tough but the latest HTML5 and CSS3 features make them easier to deal with than ever before.

Chapter 10, Approaching a Responsive Web Design, explores the essential considerations before embarking on a responsive web design and also provides a few last minute nuggets of wisdom to aid you in your responsive quest.

What you need for this book

- A text editor
- An evergreen browser
- A penchant for mediocre jokes

Who this book is for

Are you writing two websites: one for mobile and one for larger displays? Or perhaps you've already implemented your first 'RWD' but are struggling to bring it all together? If so, *Responsive Web Design with HTML5 and CSS3 Second Edition* gives you everything you need to take your websites to the next level.

You'll need some HTML and CSS knowledge to follow along, but everything you need to know about responsive design and making great websites is included in the book!

Conventions

In this book, you will find a number of text styles that distinguish between different kinds of information. Here are some examples of these styles and an explanation of their meaning.

Code words in text, database table names, folder names, filenames, file extensions, pathnames, dummy URLs, user input, and Twitter handles are shown as follows:

"We can fix that prior problem easily by adding this snippet in the `<head>`."

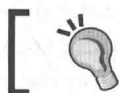
A block of code is set as follows:

```
img {  
    max-width: 100%;  
}
```

New terms and **important words** are shown in bold. Words that you see on the screen, for example, in menus or dialog boxes, appear in the text like this: "At its simplest, you pick a URL and click on **START TEST**."



Warnings or important notes appear in a box like this.



Tips and tricks appear like this.

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