

# HTML5 COOKBOOK (COOKBOOKS (O'REILLY)) BY CHRISTOPHER SCHMITT, KYLE SIMPSON

*Solutions & Examples for HTML5 Developers*



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*Christopher Schmitt  
& Kyle Simpson*

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As one of the window to open up the new world, this *HTML5 Cookbook (Cookbooks (O'Reilly))* By Christopher Schmitt, Kyle Simpson supplies its fantastic writing from the author. Released in among the prominent publishers, this publication HTML5 Cookbook (Cookbooks (O'Reilly)) By Christopher Schmitt, Kyle Simpson turned into one of one of the most needed publications just recently. Actually, guide will not matter if that HTML5 Cookbook (Cookbooks (O'Reilly)) By Christopher Schmitt, Kyle Simpson is a best seller or not. Every book will consistently offer finest sources to get the viewers all finest.

## Review

"A great next step in the search for more HTML5 knowledge. This book is as delicious as key lime pie." - Jenn Lukas, Interactive Development Director of Happy Cog

"There is so much for frontend designers to remember these days, it's hard to have it all memorized. The HTML5 Cookbook is perfect for all of us who know what we are looking for and need a quick and reliable way to find it." - Chris Coyier, CSS-Tricks.com

"Great overview of the most important HTML5 technologies, with tons of code to match it! An everyday companion for your developing needs." -Robert Nyman, Technical Evangelist at Mozilla

## About the Author

Christopher Schmitt has been working on the Web since 1993. He is the principal of Heatvision.com, Inc., a new media design firm, and resides in Austin, deep in the heart of Texas. Christopher speaks frequently about web design at conferences including South by Southwest Interactive and CSS Summit. His books include "Designing CSS Web Pages" (New Riders), "Professional CSS: Cascading Style Sheets for Web Design" (Wrox), and "CSS Cookbook" (O'Reilly).

Kyle Simpson is an Open Web Evangelist from Austin, TX. He's passionate about JavaScript, HTML5, real-time/peer-to-peer communications, and web performance. Otherwise, he's probably bored by it. Kyle is an author, workshop trainer, tech speaker, and avid OSS community member

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With scores of practical recipes you can use in your projects right away, this cookbook helps you gain hands-on experience with HTML5's versatile collection of elements. You get clear solutions for handling issues with everything from markup semantics, web forms, and audio and video elements to related technologies such as geolocation and rich JavaScript APIs.

Each informative recipe includes sample code and a detailed discussion on why and how the solution works. Perfect for intermediate to advanced web and mobile web developers, this handy book lets you choose the HTML5 features that work for you—and helps you experiment with the rest.

- Test browsers for HTML5 support, and use techniques for applying unsupported features
- Discover how HTML5 makes web form implementation much simpler
- Overcome challenges for implementing native audio and video elements
- Learn techniques for using HTML5 with ARIA accessibility guidelines
- Explore examples that cover using geolocation data in your applications
- Draw images, use transparencies, add gradients and patterns, and more with Canvas
- Bring HTML5 features to life with a variety of advanced JavaScript APIs

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Most helpful customer reviews

8 of 8 people found the following review helpful.

A great book for web developers to get up to speed with the new spec.

By Molly Rose

I can easily peg this book as a must-read for web designers and developers who wants to learn what HTML5 is and how to best use it. The HTML5 Cookbook is written in a Problem-Solution-Discussion pattern for each of its segments on a particular HTML5 feature, with plenty of references to external websites for more information and discussion. The segments are grouped in chapters that start with the most simple and common HTML features, to the most complex.

Here's a summary of each chapter, with my review and take-away for them:

#### Chapter 1: Fundamental Syntax and Semantics

This chapter focuses on the new tags and changes to existing tags in the HTML5 specification, like modifications to the doctype, script and link tags, and introducing nav, header, and footer tags. There are dozens of these, and the Cookbook lists them individually, with concise descriptions for each item.

Even though I was already familiar with most of the new tags and changes to syntax HTML5 provides, this chapter gave a lot of new information and insight about each one - the Cookbook cleared up some confusion I've had about the new article tag and section tag, and clarified how the HTML5 specification will affect accessibility and SEO.

#### Chapter 2: Progressive Markup and Techniques

This chapter explores more on semantics, markup styles, and browser compatibility. The discussion segments brings up Javascript fallbacks when a HTML5 feature isn't supported by a user's browser, and tools for analyzing your markup.

#### Chapter 3: Forms

HTML5 makes life easier for coding up forms, though many of these changes isn't fully supported yet. This chapter goes over the new form features and each features current support (at the time of the publication, at least), and for several features, screenshots on how they will appear in each major browser.

Honestly, in my studies in web design, I've skipped over the chapters or blog posts on HTML forms. I've found that subject to be complicated and boring. Though, the Cookbook's chapter on HTML5 forms made the subject considerably more informative and digestible. Many of the new form features even look fun to experiment with, though the lack of browser support would mean it'll be some time before I could safely use them in a practical website.

#### Chapter 4: Native Audio

Here, the Cookbook finally gets to a newly introduced HTML tag; . This chapter covers how the tag works,

what audio files browsers recognize, attributes and functions that the audio tag uses, and related best practices tips. This is also the chapter where Javascript is first used in the Cookbook for enhancing and expanding the HTML5 functionality.

Native audio is one of the biggest of the new HTML5 features, and one of the least supported by the big browsers. The Cookbook does a satisfactory job of pointing out this, explaining it, and comparing which browsers does and doesn't support them (at the book's publication, at least). It was at this chapter that I've started having trouble with this book - the author throws out snippets of Javascript to use, apparently assuming the reader is already very familiar with reading Javascript and experienced with implementing it. I'm not, so I didn't understand what the Javascript was supposed to be doing.

#### Chapter 5: Native Video

This chapter is essentially the same as the previous chapter, but covering the tag. The attribute syntax between and is very similar, but there's still enough differences in functionality and support. The Cookbook does a good job with covering the features, uses, and support, like with chapter 4.

#### Chapter 6: Microdata and Custom Data

This chapter begins with a brief description and history of microformats and microdata - tag attributes and information for defining the content within them, for use with search engines and other systems. The recipe sections here introduces the "item" and "data" attributes, their uses, and some Javascript functions to make them useful in some applications.

The concept of microdata and custom data was pretty new to me, though I don't feel that I got a complete understanding of them through this chapter. The Cookbook was clear on what they are now for HTML5 (somewhat), though not as much as the whole picture of microdata. However, the chapter didn't try to do that; instead relying on it's nudging the reader to read more about it on Schema.org; a website the Cookbook referenced throughout the chapter.

#### Chapter 7: Accessibility

Web accessibility is a big and growing issue in web design, and this chapter covers how the HTML5 specification expands on existing tag attributes, like the "alt" for image tags, and introduces new attributes for making web accessibility easier to implement and accessibility tools more effective.

#### Chapter 8: Geolocation

Finally getting to the more hyped features of HTML5, this chapter goes over the geolocation API. The chapter focuses on implementing geolocation with jQuery, incorporating fallbacks when there isn't browser support, how to get different location results, and working with Google Maps.

I had more of an issue understanding this chapter, as it threw out a lot more Javascript and jQuery than previous chapters. Granted, I'm not too concerned with learning how to use geolocation like the other HTML5 features, though I hope that as the HTML5 specification finalizes, it would rely less on complicated Javascript/jQuery tricks.

#### Chapter 9:

The other highly anticipated HTML5 feature is the canvas element. This chapter had many segments about the different effects to use with the canvas element, like drawing, transparency, animating, inserting images, and a few others.

Honestly, this was the chapter I was the least invested in, as the Cookbook basically described the canvas

element as being a simple, in-browser vectoring program, that uses code to draw. I'm a creative person who've already learned how to use Adobe Illustrator to great effect. I don't see how I'd want to know how to use the canvas element to do what Illustrator can do. I don't think the Cookbook have gone far enough to show how awesome the canvas element is supposed to be.

#### Chapter 10: Advanced HTML5 Javascript

The final chapter briefly goes over the other new HTML5 APIs and features, like local storage, app caching, drag and drop, and browser history manipulation.

Each of the different APIs and features brought up in this chapter only gets one "recipe" to explain its use and implementation. Though the one section they get was very informative and well spelled out, I was surprised that some of the features (like the drag and drop API) only got one section to explain them. Then again, I don't currently have an interest or a use in these features at this time, so I wouldn't know if I needed more recipes to flesh out my understanding of them.

All in all, this book is a great must-read. It clarified many things about the new semantic tags, though it didn't seem like it shone enough light on the varied capabilities of the new APIs, like geolocation, canvas, and drag and drop. This book was geared toward people who's interested, but know very little of HTML5. However, this book assumes the reader is already experienced in HTML and some scripting, so it's going to be over the heads of complete beginners.

2 of 2 people found the following review helpful.

A bit outdated edition

By Dan Zilberstein

It reflects preliminary HTML-5 features before it was closed and does not reflect modern browsers support. I would expect a newer edition.

1 of 1 people found the following review helpful.

good for a beginner

By Stephen

The book has lots of examples that for the most part work but does not offer a real insight into the best practices or any thing more than the basics.

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