



# Web Standards: Mastering HTML5, CSS3, and XML (Expert's Voice in Web Development)

*Ph.D., Leslie F. Sikos*

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*Web Standards: Mastering HTML5, CSS3, and XML* provides solutions to the most common website problems, and gives you a deep understanding of web standards and how they can be applied to improve your website. You will learn how to create fully standards-compliant websites and provide search engine-optimized Web documents with faster download times, accurate rendering, correct appearance and layout, lower development cost, approved accessibility, backward and forward compatibility, and easy maintenance and content updating. The book covers all major Web standards, focusing on syntax, grammar, recommended annotations, and other standardization concerns.

*Web Standards: Mastering HTML5, CSS3, and XML* is also a comprehensive guide to current and future standards for the World Wide Web. As a web developer, you'll have seen problems with inconsistent appearance and behavior of the same site in different browsers. Web standards can and should be used to completely eliminate these problems. *Web Standards: Mastering HTML5, CSS3, and XML* describes how you can make the most of web standards, through technology discussions as well as practical sample code that you can use for your own sites and web applications. It also provides a quick guide to standard website creation for Web developers.

- Learn techniques and best practices to achieve full standards compliance
- Write valid markup, styles, and news feeds from scratch or standardize websites by redesign
- Restrict markup to semantics and provide reliable layout

## **What you'll learn**

- The importance and benefits of Web standards
- How to write valid markup from scratch
- The most up-to-date standards, rather than non-finalized specifications
- How to provide meaningful semantics and machine-readable metadata
- How to restrict markup to semantics
- How to achieve full standard compliance reasonably

## Who this book is for

*Web Standards: Mastering HTML5, CSS3, and XML* provides a complete reference of Web standardization resources for website developers.

## Table of Contents

1. Introduction to Web Standards
2. Internationalization
3. Markup Languages: More Than HTML5
4. Serving and Configuration for a Modern Website
5. Style Sheets and CSS3
6. JavaScript and Web Applications
7. Metadata and the Semantic Web
8. Web Syndication
9. Optimizing the Appearance of a CSS3 and HTML5 Website
10. Accessibility
11. Web Standards Development Tools
12. Putting it All Together
13. HTML5 and CSS3 Best Practices
14. Markup Validation
15. Most Common HTML5 and CSS3 Errors

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