



Web Training Course - Advanced CSS

Who should attend the course?

This course is designed for those with previous experience of HTML or XHTML and who have a general understanding of CSS but need to gain an in depth understanding of the latest techniques using CSS for web design.

How long is the course?

3 Days

What are the benefits of attending?

By the end of this course you will have a comprehensive knowledge of CSS and have built several CSS-based visual design features. You will be able to create first class accessible web designs using CSS for presentation and semantic mark up. You will also learn about cross-browser support for CSS and many of the work-arounds used in common practice. Delegates will need a good grasp of web page mark up (html or xhtml), some previous use of CSS and knowledge of different web browsers and cross-browser compatibility.

Course Outline

- Semantic mark up
- HTML or (x)HTML
- DOCTYPE
- Semantics explained
- Document structure and flow
- Removing visual elements from mark up
- About web standards
- Validating your mark up

- CSS review and basics
- CSS syntax
- CSS selectors
- Classes and ID's
- CSS1 vs CSS2 vs CSS3
- The cascade
- Inheritance
- Specificity
- Validating your CSS

- Some basic CSS properties
- The box model
- Block vs inline elements
- Div's and spans
- Border properties
- Width, height and max, min
- The auto property

- Creative artwork and CSS
- Using images in CSS
- Applying texture
- Graduated fills
- Round corners
- Transparency and semitransparency
- Stretchy boxes
- Creative typography

- Layout principles with CSS
- Document flow
- Absolute positioning
- Relative positioning
- Static positioning
- Floating elements

- Building layout with CSS
- A centered container
- 2 column layout
- 3 column layout
- Faux columns

- CSS based navigation
- Mark up structures for navigation
- Styling links with pseudo classes
- Building a horizontal navigation bar
- Building a vertical navigation bar
- CSS drop down navigation systems

- Creating a CSS styled form
- Form mark up
- Associating labels with inputs
- Grouping form elements together
- Form based selectors
- Changing properties of form elements
- Formatting text in forms
- Formatting inputs
- Formatting form areas
- Changing the appearance of buttons
- Laying out forms

- Styling a data table
- Basic table mark up
- Adding row and column headers
- Simplifying table structure
- Styling row and column headings
- Adding borders
- Formatting text in tables
- Laying out and positioning tables

- Creating a print page
- Switching to a different media for print
- Showing and hiding elements
- Altering layout for print
- Changing font and font size for print
- Showing or hiding link information
- Previewing and testing print styles



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- Working with other media types
 - Switching to a different media
 - Delivery to other devices
 - Dynamically switching style sheets
 - Accessibility considerations
 - Graceful transformation

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- Common CSS problems and Hacks!
- Browser support issues
 - Writing CCS rules for specific browsers
 - Has "layout" for IE
 - Peekaboo bug and Holly hack
 - IE box model problem and Tan Hack
 - Float clearing issues and :after 3 pixel jog
 - Validating your CSS
 - Common validation errors

Questions and answers