

## HTML5 & CSS3 Training

HTML5 & CSS3 are the future of web development. Our two day instructor-led HTML5 & CSS3 training course provides an overview of the HTML5 and CSS3 standards, with practical examples to help you understand and implement new features.

### Objective

After our HTML5 & CSS3 training course, you will have:

- An overview of the HTML5 specification.
- An understanding of how HTML5 differs from previous specifications.
- Practical knowledge to implement new HTML5 elements and attributes.
- Practical knowledge of how to use the audio, video and canvas elements.
- Knowledge of the new JavaScript APIs.
- The ability to provide JavaScript alternatives for unsupported features.
- An understanding of the CSS3 specification
- Knowledge of current browser support for CSS3 in Chrome, Firefox, Safari and IE9+
- Practical knowledge of how to implement new CSS3 features
- Providing support for older browsers including IE6 - 8 (polyfills)

### Details

**Duration:** 1 Day

### Course PreRequities

Before attending our HTML5 & CSS3 training course you should first come on our [2-day HTML & CSS course](#) or have similar hands-on experience using HTML & CSS to write and format web pages from scratch, including building floated layouts and familiarity with CSS1 and CSS2 selectors.

## Course Content

### HTML5 Features

- Why use HTML5
- New semantic tags
- Custom data attributes
- Controlling HTML5 video with JavaScript and CSS
- Dynamic drawing with canvas and SVG
- Form validation
- Geolocation
- Saving state with local storage
- Offline APPCache

### Implementing HTML5

- What can you use now?
- Checking for browser support
- Using Modernizr.js
- Polyfills to plug the gaps in older browsers
- Useful resources

### CSS3 Features

- Colour and transparency
- New selectors and pseudo-classes
- Layout: FlexBox, multiple columns, box-sizing, grids
- Fonts: web and icon fonts
- Animation and transitions
- Responsive web design using media queries
- Responsive techniques: sprites, font sizes, fluid and fixed grids
- Box shadows, text shadows, backgrounds, and border-radius

### Implementing CSS3

- Working with vendor prefixes
- Browser support
- Polyfills, Modernizr.js
- Working with older versions of IE