

## What is HTML5 & CSS3 Training?

Our 1-day HTML5 & CSS3 training course will teach you the latest features in [web development](#) and give you the tools to start building better content for the web.



The web is evolving. Web pages have become applications. Web content is now read on a wide variety of devices. HTML5, CSS3 and JavaScript provide front-end developers with the tools to create content for any platform.

## Why are HTML5 & CSS3 Important?

HTML5 & CSS3 are the latest versions of the web's standard markup language, and includes a range of new features, tags and functionality. These allow for more flexibility when designing for desktops, and - perhaps more importantly - provides a new standard for the development of web content and web apps for mobile.

CSS3 allows developers to design more flexible and dynamic stylesheets, which can respond to a user's device, screen size and orientation, and also the user's behaviour. It can be used to add effects to page elements, and even to skew, re-size, rotate and transform page elements without the use of animation software like Flash.

We also provide private and in-company **HTML5 & CSS3 courses**. Call [+44 \(0\)1273 622272](tel:+44201273622272) to discuss.

## Prerequisites

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.

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## Course Objectives

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

- 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)
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## 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

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.