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| Embedded, or **internal** styles are used for the whole page. Inside the [head](http://htmldog.com/reference/htmltags/head/) tags, the [**style**](http://htmldog.com/reference/htmltags/style/) tags surround all of the styles for the page.  This will make all of the paragraphs in the page red and all of the links blue.  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">  <html>  <head>  <title>CSS Example</title>  **<style type="text/css">**  **p {**  **color: red;**  **}**  **a {**  **color: blue;**  **}**  **</style>**  ... |
| **External** styles are used for the whole, multiple-page website. Save the following to the **separate CSS file “web.css”**:  **p {**  **color: red;**  **}**  **a {**  **color: blue;**  **}**  **body {**  **font-size: 0.8em;**  **color: navy;**  **}**  **h1** {  **color: #ffc;**  **background-color: #009;**  }  Link it to the HTML file:  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">  <html>  <head>  <title>CSS Example</title>  **<link rel="stylesheet" type="text/css" href="web.css" />**  ... |
| Colors can take the form of a **name**, an **rgb** (red/green/blue) value or a **hex** code. **Red = rgb(255,0,0)= rgb(100%,0%,0%)= #ff0000 = #f00**  17 valid colors: **aqua**, **black**, **blue**, **fuchsia**, **gray**, **green**, **lime**, **maroon**, **navy**, **olive**, **orange**, **purple**, **red**, **silver**, **teal**, **white**, **yellow**, and **transparent** |
| **font-family: arial, Helvetica**  **font-family: "Times New Roman"**  **font-size: 0.8em**  **font-weight: bold** or **font-weight: normal**  **font-style: italic** or **font-style: normal**  **text-decoration: overline**, which places a line above the text.  **text-decoration: line-through**, strike-through, which puts a line through the text.  **text-decoration: underline,** should only be used for links  **text-decoration: none**  **text-transform: capitalize** turns the first letter of every word into uppercase.  **text-transform: uppercase** turns everything into uppercase.  **text-transform: lowercase** turns everything into lowercase.  **text-transform: none** I'll leave for you to work out. |
| [**letter-spacing**](http://htmldog.com/reference/cssproperties/letter-spacing/) and [**word-spacing**](http://htmldog.com/reference/cssproperties/word-spacing/) properties are for spacing between letters or words  [**line-height**](http://htmldog.com/reference/cssproperties/line-height/) property sets the height of the lines in an element, such as a paragraph, without adjusting the size of the font  [**text-align**](http://htmldog.com/reference/cssproperties/text-align/) property will align the text inside an element to **left**, **right**, **center** or **justify**  [**text-indent**](http://htmldog.com/reference/cssproperties/text-indent/) property will **indent** the first line of a paragraph, for example, to a given length or percentage |
| A margin is the space **outside** of the element, whereas padding is the space **inside** the element.  **margin: 1em; padding: 3em; or** [**margin-top**](http://htmldog.com/reference/cssproperties/margin/), [**margin-right**](http://htmldog.com/reference/cssproperties/margin/), [**margin-bottom**](http://htmldog.com/reference/cssproperties/margin/), [**margin-left**](http://htmldog.com/reference/cssproperties/margin/), [**padding-top**](http://htmldog.com/reference/cssproperties/padding/), [**padding-right**](http://htmldog.com/reference/cssproperties/padding/), [**padding-bottom**](http://htmldog.com/reference/cssproperties/padding/) and [**padding-left**](http://htmldog.com/reference/cssproperties/padding/)  **Margin box -> border box -> padding box -> element box**  **border-style: dashed;**  **border-width: 3px;**  **border-left-width: 10px;**  **border-right-width: 10px;**  **border-color: red;** |
| body {  font-family: arial, helvetica, sans-serif;  font-size: 80%;  color: black;  background-color: #ffc;  margin: 1em;  padding: 0;  }  /\* By the way, this is a comment \*/  p {  line-height: 1.5em;  }  h1 {  color: #ffc;  background-color: #900;  font-size: 2em;  margin: 0;  margin-bottom: 0.5em;  padding: 0.25em;  font-style: italic;  text-align: center;  letter-spacing: 0.5em;  border-bottom-style: solid;  border-bottom-width: 0.5em;  border-bottom-color: #c00;  }  h2 {  color: white;  background-color: #090;  font-size: 1.5em;  margin: 0;  padding: 0.1em;  padding-left: 1em;  }  h3 {  color: #999;  font-size: 1.25em;  }  img {  border-style: dashed;  border-width: 2px;  border-color: #ccc;  }  a {  text-decoration: none;  }  strong {  font-style: italic;  text-transform: uppercase;  }  li {  color: #900;  font-style: italic;  }  table {  background-color: #ccc;  } |
| !DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">  <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">  <head>  <title>Case, line-height, bold and italics</title>  <style type="text/css" media="all">  body {  font: 150% arial, helvetica, sans-serif;  }  #p3 {  font-variant: small-caps;  }  #p4 {  line-height: 1.5;  text-transform: uppercase;  }  em {  font-style: italic; /\* generally unnecessary because the default style of em tends to be italic \*/  }  strong {  font-weight: bold; /\* again unnecessary - the default style of strong tends to be bold \*/  }  </style>  </head>  <body>  <p id="p3">The green seed of the white-flowering climbing leguminous papilionaceous plant, <em>pisum sativum</em>, has become a dining-table favourite for good reason.</p>  <p id="p4">The <strong>perfect</strong> accompaniment to any meal, the diminutive spherical vegetable brings joy to billions worldwide, be they fresh, frozen, canned or dried.</p>  </body>  </html> |

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| A **class selector** is a name preceded by a **full stop** (**.**); An **ID selector** is a name preceded by a **hash character** (**#**)  ID can be used to identify one element, whereas a class can be used to identify more than one element  HTML:  <div **id="top"**>  <h1>Chocolate curry</h1>  <p **class="intro"**>This is my recipe for making curry purely with chocolate</p>  <p **class="intro"**>Mmm mm mmmmm</p>  </div>  CSS:  **#top** {  background-color: #ccc;  padding: 1em  }  **.intro** {  color: red;  font-weight: bold;  }  Apply a selector to a specific HTML element by stating the HTML selector first, so p.jam { whatever } will be applied to paragraph that have the class 'jam'. | |
| You can give the same properties to a number of selectors without having to repeat them by separating the selectors by **commas**  **h2, .thisOtherClass, .yetAnotherClass** {  color: red;  } | |
| **CSS**  #top {  background-color: #ccc;  padding: 1em  }  **#top h1** {  color: #ff0;  }  **#top p** {  color: red;  font-weight: bold;  }  **HTML:**  **<div id="top">**  **<h1>**Chocolate curry**</h1>**  **<p>**This is my recipe for making curry purely with chocolate**</p>**  **<p>**Mmm mm mmmmm**</p>**  **</div>** | |
| **link** is for an unvisited link.  **visited** is for a link to a page that has already been visited.  **active** is for a link when it is gains focus (for example, when it is clicked on).  **hover** is for a link when the cursor is held over it.  a.snowman**:link** {  color: blue;  }  a.snowman**:visited** {  color: purple;  }  a.snowman**:active** {  color: red;  }  a.snowman**:hover** {  text-decoration: none;  color: blue;  background-color: yellow;  } | |
| p {  border-top-width: 1px;  border-right-width: 5px;  border-bottom-width: 10px;  border-left-width: 20px;  } | p {  **border-width: 1px 5px 10px 20px;**  } |
| [border-width](http://htmldog.com/reference/cssproperties/border-width/), [border-color](http://htmldog.com/reference/cssproperties/border-color/) and [border-style](http://htmldog.com/reference/cssproperties/border-style/) | p {  **border: 1px red solid;**  } |
| [border-top](http://htmldog.com/reference/cssproperties/border/), [border-right](http://htmldog.com/reference/cssproperties/border/) | margin: 1em 10em; |
| p {  font: 1em/1.5 "Times New Roman", times, serif;  padding: 3em 1em;  border: 1px black solid;  border-width: 1px 5px 5px 1px;  border-color: red green blue yellow;  margin: 1em 5em;  }  \*1.5 is a line height\* | |
| **Background image:**  body {  **background: white url(http://www.htmldog.com/images/bg.gif) no-repeat top right;**  } | |
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