

SELECTORS

element selectors:

```
* { ... } /* all elements */
p { ... } /* paragraphs */
div p { ... } /* paragraphs nested in divs */
div, p { ... } /* paragraphs and divs */
div > p { ... } /* paragraphs directly nested in divs */
div + p { ... } /* paragraphs preceded by divs */
.class1 { ... } /* elements of class "class1" */
p.class1 { ... } /* paragraphs of class "class1" */
p.class1.class2 { ... } /* paragraphs of class "class1" and "class2" */
#id1 { ... } /* element with id "id1" */
p#id1 { ... } /* paragraph with id "id1" */
```

pseudo-classes (elements in a certain state):

```
a:hover { ... } /* link is hovered */
a:first-child { ... } /* element is first child */
input:focus { ... } /* input is focussed */
```

pseudo-elements (portions of elements):

```
p::first-line { ... } /* first line */
p::first-letter { ... } /* first letter */
p::before { content: '►'; } /* add content before */
p::after { content: '♣'; } /* add content after */
p::selection { background-color: #cc33cc; } /* portion selected by user */
```

PROPERTIES

colors:

```
p { color: black; } /* mnemonic notation */
p { color: #990033; }
p { color: #903 ; } /* shorthand notation */
p { color: rgb(0, 25, 0); } /* darkish green */
p { color: rgba(255, 255, 0, 0.7); } /* bright yellow, opacity 0.7 */
```

margins, paddings & borders:

```
p { margin: 1rem; } /* margin = spacing outside box; 10px around */
p { margin-left: 1rem; } /* left */
p { margin: 1rem 2rem; } /* vertical horizontal */
p { margin: 1rem 2rem 0 0.5rem; } /* top right bottom left */
p { padding: 1rem; } /* padding = spacing inside box */
p { border-width: 1px; }
p { border-style: solid; }
p { border-color: #999; }
p { border: 1px solid #999; } /* shorthand */
```

texts:

```
p { line-height: 1.8rem; }
p { text-transform: uppercase; } /* make uppercase */
a { text-decoration: none; } /* remove lines under links */
p { text-align: center; } /* align center */
p { font-family: Arial, "sans serif"; } /* values with spaces; use quotes */
p { font-size: 1.2rem; }
p { font-style: italic; } /* make italic */
p { font-weight: bold; } /* make bold */
```

```
p { font: italic bold 1.2rem/1.8rem Arial, "sans-serif"; } /* shorthand */
p { text-indent: 1rem; } /* indent of the first line */
```

lists:

```
ul { list-style: disc; } /* or none, square, decimal... */
```

backgrounds:

```
p { background-image: url(../images/bg.jpg); } /* no quotes */
p { background-repeat: no-repeat ; } /* repeat, repeat-x, repeat-y */
p { background-position: left center ; }
p { background-position: 1rem 2rem ; } /* left top */
p { background-color: #ae47ff; }
p { background: #ae47ff url(../images/bg.png) no-repeat left center; }
/* shorthand */
```

dimensions (block level elements only):

```
p { width: 40rem; } /* fixed width */
p { width: 90%; } /* percentage of parent width */
p { min-width: 32rem; } /* minimum width */
p { max-width: 96rem; } /* maximum width */
```

display

```
p { display: none; } /* hide */
a { display: block; } /* make block level */
a { display: inline-block; } /* make block level but position on one line */
p { display: inline; } /* make inline */
p { visibility: hidden; } /* make invisible, i.e. totally transparent */
p { opacity: 0.7; } /* 0 = transparent, 1 = opaque */
```

layout

```
p { position: absolute; } /* or relative, fixed */
p { left: 1rem; } /* or top, bottom, right; used with position */
p { z-index: 3; } /* stacking order; used with position: absolute */
p { float: left; } /* or right; allows other content to float around */
p { clear: both; } /* or left, right; clears from floated elements around */
```

UNITS

px: absolute size; for small units (border widths, small icon sizes)

%: relative to parent size

em: relative to parent font size

rem: relative to root (html element) font size

suggested practice: default browser font size is 16px; set root font size to 10px (= 62.5%) and use rem elsewhere, where 1rem = 10px

```
html { font-size: 62.5%; } /* 10px */
body { font-size: 1.2rem; } /* 12px */
h1 { font-size: 1.8rem; } /* 18px */
...
```

More references:

<http://www.w3schools.com/css>

<http://media.mediatemple.netdna-cdn.com/wp-content/uploads/images/css3-cheat-sheet/css3-cheat-sheet.pdf>