

Cascading Style Sheets, level 1

Quick Reference Guide

W3C Recommendation 17 Dec 1996

W3C document is at: <http://www.w3.org/pub/WWW/TR/REC-CSS1>

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Implementing the Style:

```
<HTML>
```

```
<HEAD>
```

```
(1) <LINK REL=STYLESHEET TYPE="text/css" HREF="<url">
```

```
(2) <STYLE TYPE="text/css">  
    @import url(http://style.com/basic);
```

```
(3)     H1 { color: blue }  
    </STYLE>
```

```
</HEAD>
```

```
<BODY>
```

```
(4) <P STYLE="color: green">This paragraph will be green.</P>
```

```
</BODY>
```

```
</HTML>
```

Shortcuts:

Assigning Multiple Formats to different tags:

```
H1, H2, H3 { font-family: helvetica }
```

```
H1 { font: bold 12pt/14pt helvetica }
```

the above tag is equivalent to

```
H1 {  
    font-weight: bold;  
    font-size: 12pt;  
    line-height: 14pt;  
    font-family: helvetica;  
    font-variant: normal;  
    font-style: normal; }
```

Classes and IDs:

Defining classes:

```
<STYLE TYPE="text/css">
  H1.greenish { color: #00FF00 } /* H1 specific class */
  .yellowish { color: #CCCC00 } /* general class */

  #item1      { color: #FF0000 } /* one use item ID */

</STYLE>
</HEAD>
<BODY>
  <H1 CLASS=greenish>This header will be green</H1>
  <H2 CLASS=yellowy>Yellow Text</H2>
  <H3 CLASS=greenish>Regular Text (NOT Green)</H3>
  <P CLASS=yellowy>This whole paragraph would be yellow</P>
  <SPAN ID=item1>this font will be red only use ID once per document</SPAN>
</BODY>
</HTML>
```

Inheritance:

You can pass on attributes to other tags. An example makes thing fairly clear.

```
UL LI { font-size: small }
```

For the above, all LI tags within a UL tag will have a small font size. If you have a LI tag that is not in a UL reference then it will be normal size.

You can also use the CLASS and ID specifications. Examples:

```
DIV P      { font: small sans-serif }
.reddish H1 { color: red }
#x78y CODE { background: blue }
DIV.sidenote H1 { font-size: large }
```

Comments:

The comment format is: /* commented out */

Comments cannot be nested.

For a CSS1 parser, a comment is equivalent to whitespace.

CSS1 properties

Formats:

<url> format: url(http://www.url.com/filename)

<color> format:

- (1) rgb format: rgb(n, n, n) where n is a integer from 0-255
- (2) hex format: #xxxxxx where x is from 0-F (ex: #FFFFFF is white)
- (3) color name (blue, red, green, white, black, yellow, etc...)

The first option listed in the specifications below is usually the initial or default value.

pseudo elements:

```
A:link { color: blue } /* unvisited link */
A:visited { color: violet } /* visited links */
A:active { color: grey } /* active links */
```

examples:

```
A:link IMG { border: solid blue } /* draw a blue border around all linked images */
A.external:link { color: grey } /* specify a specific color for external links */
```

font properties

'font-family' [serif, sans-serif, cursive, fantasy, monospace, Times, Courier, etc...]

'font-style' [normal | italic | oblique]

'font-variant' [normal | small-caps]

'font-weight' [normal | bold | bolder | lighter | 100 | 200 | ... | 800 | 900]
note: normal = 400, bold = 700

'font-size' [point size: 8pt, 10pt, 12pt,
relative size: xx-small | x-small | small | medium | large | x-large | xx-large
percentage: 50%, 75%, 100%, 125%, etc...
or em: .5em, .75em, 1.0em, 1.25em, etc... (same as percentage)
you can also specify pixel size ex. 100px but it is not recommended]

'font' (shorthand)

[<font-style> | <font-variant> | <font-weight> | <font-size> [/ <line-height>] <font-family>]

examples:

```
P { font: 12pt/14pt sans-serif }
P { font: 80% sans-serif }
P { font: x-large/110% "new century schoolbook", serif }
P { font: bold italic large Palatino, serif }
P { font: normal small-caps 120%/120% fantasy }
```

Color and background properties

'color' [color name | <rgb> | hex#]

'background-color' [color name | <rgb> | hex# | transparent]

'background-image' [<url> | none]

'background-repeat' [repeat | repeat-x | repeat-y | no-repeat]

'background-attachment' [scroll | fixed]

'background-position' [<percentage> | <length>]{1,2} [top | center | bottom] || [left | center | right]

'background' (shorthand)

[<background-color> || <background-image> || <background-repeat> || <background-attachment> || <background-position>]

examples:

```
BODY { background: url(banner.jpeg) 50% 0% }
BODY { background-image: url(banner.jpeg);
      background-position: top center; }
```

the above two are equivalent, as are the following two

```
BODY { background: url(banner.jpeg) top left }
BODY { background: url(banner.jpeg) 0% 0% }
```

another ex: P { background: url(chess.png) gray 50% repeat fixed }

Text properties

'word-spacing' [normal | <length>]

'letter-spacing' [normal | <length>]

'text-decoration' [none | [underline || overline || line-through || blink]

'vertical-align' [baseline | sub | super | top | text-top | middle | bottom | text-bottom |

'text-transform' [none | capitalize | uppercase | lowercase]

'text-align' [left | right | center | justify]

'text-indent' [<length> | <percentage>]

'line-height' [normal | <number> | <length> | <percentage>]
Negative values are not allowed.

Box properties

'margin-top' [<length> | <percentage> | auto]

'margin-right' [<length> | <percentage> | auto]

'margin-bottom' [<length> | <percentage> | auto]

'margin-left' [<length> | <percentage> | auto]

'margin' (shorthand) BODY { margin: 2em } /* all margins set to 2em */
BODY { margin: 1em 2em } /* top & bottom = 1em, right & left = 2em */

'padding-top' [<length> | <percentage>]

'padding-right' [<length> | <percentage>]

'padding-bottom' [<length> | <percentage>]

'padding-left' [<length> | <percentage>]

'padding' (shorthand)

'border-top-width' [medium | thin | thick | <length>]

'border-right-width' [medium | thin | thick | <length>]

'border-bottom-width' [medium | thin | thick | <length>]

'border-left-width' [medium | thin | thick | <length>]

'border-width' (shorthand)

'border-color' [<color>]

'border-style' [none | dotted | dashed | solid | double | groove | ridge | inset | outset]

'border-top' (shorthand) [<border-top-width> || <border-style> || <color>]

'border-right' (shorthand) [<border-right-width> || <border-style> || <color>]

'border' (shorthand) [<border-width> || <border-style> || <color>]

'width' [auto | <length> | <percentage>]

'height' [auto | <length> | <percentage>]

'float' [none | left | right]

'clear' [none | left | right | both]

Classification properties

'display' [block | inline | list-item | none]

'white-space'[normal | pre | nowrap]

'list-style-type' [disc | circle | square | decimal | lower-roman | upper-roman |
lower-alpha | upper-alpha | none]

'list-style-image' [<url> | none]

'list-style-position' [outside | inside]

'list-style' [<keyword> || <position> || <url>] (shorthand)

Units

em - the height of the element's font
ex - x-height, ~ the height of the letter 'x'
px - pixels, relative to canvas
pt - font point size
in - inches
cm - centimeters
mm - millimeters
pc - picas

Sample style sheet

<STYLE TYPE="text/css">

```
BODY { margin: 1em;
        font-family: TimesRoman, Times, serif;
        background: white;          /* white background */
        color: black;              /* black text */

        A:link { color: blue }     /* unvisited link */
        A:visited { color: violet } /* visited links */
        A:active { color: red }    /* active links */

        A.external:link { color: grey /* external links */
    }

LI { font: 12pt/16pt }             /* more leading for list items */

H1 { font: bold 18pt Verdana, Palatino, sans-serif; /* format, color and center H1 */
     color: #546081;
     text-align: center; }

HR { border-top: dotted medium;    /* dotted 500 pixel medium thickness */
     width: 500px; }

.indent { margin-left: 0.5in }     /* indent, use with P to indent paragraphs */

.noshow { display: none }         /* won't show on CSS browsers
                                   this will show in non-CSS browsers */

.efx1 { color: white;              /* use in a span tag for first char of a title
     background: #993333;          it will have a colored box around it
     font-size: 36pt; }           with white text inside */

.efx2 { color: #993333;           /* use in rest of title, color text like box */
     font-size: 26pt; }
```

</STYLE>