

# CSS



## The Ultimate CSS CHEAT SHEET [Including CSS3 Tags]

With billions of websites and counting, yours needs to stand out.

CSS is the style sheet language used to make your website one-in-a-billion. Ready to learn and utilize it? Here's a cheat sheet to help you remember all the different elements at your disposal.



# BACKGROUNDS

## background

background-image  
background-position  
background-size  
background-repeat  
background-attachment  
background-origin  
background-clip  
background-color  
background-break

## background-size

length  
%  
auto | cover | contain

## background-repeat

repeat | repeat-x |  
repeat-y | no-repeat

## background-attachment

scroll | fixed

## background-origin

border-box | padding-box |  
content-box

## background-image

url  
none

## background-position

top left | top center |  
top right | center left |  
center center | center right |  
bottom left | bottom center |  
bottom right  
x-% y-%  
x-pos y-pos

## background-clip

length  
%  
border-box | padding-box |  
content-box | no-clip

## background-color

color  
transparent

## background-break

bounding box | each-box |  
continuous





# BORDER

## **border**

border-width  
border-style  
border-color

## **border-width**

thin | medium | thick | length

## **border-style**

none | hidden | dotted | dashed |  
solid | double | groove | ridge |  
inset | outset

## **border-color**

color

## **border-bottom**

border-bottom-width  
border-style  
border-color

## **border-left**

border-left-width  
border-style  
border-color

## **border-left-style**

border-style

## **border-top**

border-top-width  
border-style  
border-color

## **border-top-color**

border-color

## **border-top-style**

border-style

## **box-shadow**

inset  
[ length, length, length, length ]  
<color>  
none

## **border-collapse**

collapse | separate

## **border-right-width**

thin | medium | thick | length

## **border-right-color**

## **border-image**

image  
[ number / % ]  
border-width  
stretch | repeat | round  
none

## **border-top-width**

thin | medium | thick | length

## **border-break**

border-width  
border-style  
color  
close

## **border-bottom-color**

border-color

## **border-bottom-style**

border-style

## **border-left-color**

border-color

## **border-left-width**

thin | medium | thick | length

## **border-right-style**

border-style

## **border-right**

border-right-width  
border-style  
border-color

## **border-radius**

border-radius  
border-top-right-radius  
border-bottom-right-radius  
border-bottom-left-radius  
border-top-left-radius

## **border-top-right-radius**

length

## **border-bottom-right-radius**

length

## **border-bottom-left-radius**

length





# BOX MODEL

## float

left | right | none

## height

auto | length | %

## max-height

none | length | %

## max-width

none | length | %

## min-height

none | length | %

## min-width

none | length | %

## width

auto | % | length

## padding

padding-top

padding-right

padding-bottom

padding-left

## padding-bottom

length

## padding-left

length

%

## padding-right

length

%

## padding-top

length

%

## display

none

inline

block

inline-block

list-item

run-in

compact

table

inline-table

table-row-group

table-header-group

table-footer-group

table-row

table-column-group

table-column

table-cell

table-caption

ruby

ruby-base

ruby-text

ruby-base-group

ruby-text-group

## rotation

angle

## rotation-point

position (paired value off-set)

## margin

margin-top

margin-right

margin-bottom

margin-left

## margin-bottom

auto | length | %

## margin-left

auto | height | %

## margin-right

auto | height | %

## margin-top

auto | length | %

## marquee-direction

forward | reverse

## marquee-loop

infinite

integer

## marquee-speed

slow | normal | fast

## marquee-style

scroll | slide | alternate

## overflow

visible | hidden | scroll

## overflow-style

auto

marquee-line

marquee-block

## overflow-X

visible

hidden

scroll

auto

no-display

no-content

## visibility

visible | hidden |

collapse

## clear

left

right

both

none





# 3D/2D TRANSFORM

## backface-visibility

visible | hidden

## perspective

none  
number

## perspective-origin

%  
left | center | right  
top | center | bottom  
left | center | right  
top | center | bottom

## transform-style

flat | preserve-3d

## transform

none | matrix | matrix3d |  
translate3d | translateX |  
translateY | translateZ | scale |  
scale3d | scaleX | scaleY |  
scaleZ | rotate | rotate3d |  
rotateX | rotateY | rotateZ |  
skewX | skewY | skew |  
perspective

## transform-origin

%  
left | center | right  
top | center | bottom  
left | center | right  
top | center | bottom

# GENERATED CONTENT

## bookmark-label

content  
attr  
string

## bookmark-level

none  
integer

## bookmark-target

self  
url  
attr

## border-length

self  
url  
attr

## content

normal | none | inhibit | url

## hyphenate-lines

no-limit  
integer

## hyphenate-resource

none  
url

## image-resolution

normal | auto  
dpi

## hyphenate-before

auto  
integer

## hyphenate-character

auto  
string

## counter-reset

none  
identifier number

## crop

auto  
shape

## display

normal | none | list-item

## float-offset

length length

## hyphenate-after

auto  
integer

## counter-increment

## marks

crop  
cross  
none

## move-to

normal  
here  
identifier

## page-policy

start | first | last

## quotes

none

## string-set

identifier  
content-list

## text-replace

none  
[<string><strong>] +





# COLUMN

## column-count

auto  
number

## column-fill

auto | balance

## column-gap

normal  
length

## column-rule-width

thin | medium | thick | length

## column-span

1 | all

## column-rule

column-rule-width  
column-rule-style  
column-rule-color

## column-rule-style

border-style

## columns

column-width  
column-count

## column-width

auto  
length

# COLORS

## colors

inherit  
color

## opacity

inherit  
number

# GRID POSITIONING

## grid-columns

none | inherit  
[ length percentage relative  
length ]

## grid-rows

none | inherit  
[ length percentage relative  
length ]







# PAGED MEDIA

## fit

fill | hidden | meet | slice

## fit-position

top | center | bottom | left | center | right

length

%

## orphans

integer

## image-orientation

auto  
angle

## size

auto | landscape | portrait  
length

## windows

integer

## page

auto  
identifier

## page-break-after

auto | always | avoid | left | right

## page-break-before

auto | always | avoid | left | right

## page-break-inside

auto | avoid

# CSS SNIPPETS

## snippets include:

```
selector { property = value }
```

## sidebar attributes snippet

```
#sidebar { position: relative;  
float: left; width: 100px;  
color: blue; font-size: 40%  
border-left: solid 2px blue; }
```

## font shorthand property to define all properties in one statement

```
#selector { font: italic bold  
12px/30px georgia, serif; }
```

(font size and family are required, but other values are set to default if left out)

## hover over/anchor snippets

```
a: active { color: red; }  
a: link { color: yellow; }  
a: visited { color: blue; }  
a: hover { color: green; }
```

## background color snippet

```
#selector { background: #e3eae2; }
```

## multi-border using a pseudo shadowbox snippet:

```
box-shadow: [inset] [horizontal  
offset] [vertical offset] [blur  
radius] [optional spread radius]  
[color]
```

## creative page layout snippet

```
.columns { column-count: 5;  
column-gap: 20px; }
```

## text align snippet

```
ta_l { text-align: left; }
```

## font weight snippet

```
bold { font-weight: bold; }
```

## snippet to align text with display and margin property

```
center { text-align: center;  
margin: auto; display: block; }
```

## text decoration snippet

```
no_td: hover { text-decoration:  
none; }
```

## clear and float snippet





# FONT

## font

font-style

font-variant

font-weight

font-size/line-height

font-family

caption | icon | menu |  
message-box | small-caption |  
status-bar

## font-size-adjustment

none | inherit

number

## font-family

normal

wider

narrower

ultra-condensed

extra-condensed

condensed

semi-condensed

semi-expanded

ultra-expanded

inherit

## font-style

normal | italic | oblique | inherit

## font-variant

normal | small-caps | inherit

## font-size

xx-small

x-small

small

medium

large

x-large

xx-large

smaller

larger

inherit

length

## font-weight

normal | bold | bolder | lighter |  
100 | 200 | 300 | 400 | 500 | 600  
| 700 | 800 | 900 | inherit







# LINE BOX

## alignment-adjust

auto | baseline | before-edge |  
text-before-edge | middle |  
central | after-edge |  
text-after-edge | ideographic |  
alphabetic | hanging |  
mathematical

length  
%

## alignment-baseline

baseline | is-script |  
before-edge | text-before-edge |  
after-edge | text-after-edge |  
central | middle | ideographic |  
alphabetic | hanging |  
mathematical

## baseline-shift

baseline | sub | super  
length  
%

## dominant-baseline

auto | use-script | no-change |  
reset-size | alphabetic | hanging |  
ideographic | mathematical |  
central | middle | text-after-edge |  
text-before-edge

## drop-initial-after-align

alignment-baseline

## inline-box-align

initial | last

integer

## line-height

normal  
number  
length  
%

## line-stacking

line-stacking-strategy

line-stacking-ruby

line-stacking-shift

## line-stacking-strategy

inline-line-height |  
block-line-height |  
max-height | grid-height

## line-stacking-ruby

exclude-ruby | include-ruby

## line-stacking-shift

consider-shifts | disregard-shifts

## line-stacking

line-stacking-strategy  
line-stacking-ruby  
line-stacking-shift

## text-height

auto | font-size | text -size |  
max-size

## vertical-align

baseline | sub | super | top |  
text-top | middle | bottom |  
text-bottom

length

%





# LIST & MARKERS

## list-style

list-style-type  
list-style-position  
list-style-image

## list-style-image

none  
url

## list-style-type

none  
asterisks  
box  
check  
circle  
diamond  
disc  
hyphen  
square  
decimal

decimal-leading-zero  
lower-roman  
upper-roman  
lower-alpha  
upper-alpha  
lower-greek  
lower-latin  
upper-latin  
hebrew  
armenian  
georgian  
cjk-ideographic  
hiragana  
katakana  
hiragana-iroha  
footnotes

## marker-offset

auto  
length

# ANIMATIONS

## animations

animation-name  
animation-duration  
animation-timing-function  
animation-delay  
animation-iteration-count  
animation-direction

## animation-name

none | ident

## animation-duration

time

## animation-timing-function

ease  
linear  
ease-in

ease-out  
ease-in-out  
cubic-bezier (number, number,  
number, number)

## animation-delay

time

## animation-iteration-count

inherit  
number

## animation-direction

normal | alternate

## animation-play-state

running | paused





# HYPERLINK

## target

target-name  
target-new  
target-position

## target-name

current | root | parent | new |  
model  
  
string

## target-new

window | tab | none

## target-position

above | behind | front | back

# POSITIONING

## bottom

auto  
%  
length

## top

auto  
%  
length

## right

auto  
%  
length

## left

auto  
%  
length

## clip

shape  
auto

## x-index

auto  
number

## position

static | relative |  
absolute | fixed

# RUBY

## ruby-align

auto | start | left | center | end |  
right | distribute-letter |  
distribute-space | line-edge

## ruby-overhang

auto | start | end | none

## ruby-position

before | after | right | inline

## ruby-span

attr(x) | none







## PSEUDO-CLASS

<b>:active</b>	an activated element
<b>:focus</b>	an element while the element has focus
<b>:hover</b>	an element when you mouse over it
<b>:link</b>	an unvisited link
<b>:disabled</b>	an element while the element is disabled
<b>:enabled</b>	an element while the element is enabled
<b>:checked</b>	an element that is checked
<b>:selection</b>	an element that is currently selected or highlighted by the user
<b>:lang</b>	allows the author to specify a language to use in a specified element
<b>:nth-child(n)</b>	an element that is the n-th sibling
<b>:nth-last-child(n)</b>	an element that is the n-th sibling counting from the last sibling
<b>:first-child</b>	an element that is the first sibling
<b>:last-child</b>	an element that is the last sibling
<b>:only-child</b>	an element that is the only child
<b>:nth-of-type(n)</b>	an element that is the n-th sibling of its type
<b>:nth-last-of-type(n)</b>	an element that is the n-th sibling of its type counting from the last sibling
<b>:last-of-type</b>	an element that is the last sibling of its type
<b>:first-of-type</b>	an element that is the first sibling of its type
<b>:only-of-type</b>	an element that is the only child of its type :empty an element that has no children
<b>:root</b>	root element within the document
<b>:not(x)</b>	an element not represented by the argument 'x'
<b>:target</b>	a target element as specified by a target in a UR



## PSEUDO-ELEMENT

<code>::first-letter</code>	adds special style to the first letter of a text
<code>::first-line</code>	adds special style to the first line of a text
<code>::before</code>	inserts some content before an element
<code>::after</code>	inserts some content after an element

## ABSOLUTE MEASUREMENT

<code>%</code>	percentage
<code>cm</code>	centimeter
<code>in</code>	inch
<code>mm</code>	millimeter
<code>pc pica</code>	(1p = 12 points)
<code>pt point</code>	(1pt = 1/72 inch)

## ANGLES

<code>%</code>	degrees
<code>cm</code>	grads
<code>in</code>	radians
<code>mm</code>	turns

## TIME

<code>ms</code>	milli-seconds
<code>s</code>	seconds

## FREQUENCY

<code>Hz</code>	hertz
<code>kHz</code>	kilo-hertz

## RELATIVE MEASUREMENT

<code>ch</code>	width of the "o" glyph found in the font for the font size used to render
<code>em</code>	1em = current font size of current element
<code>ex</code>	x-height of the element's font
<code>gd</code>	the grid defined by 'layout-grid'
<code>px</code>	pixel of the viewing device
<code>rem</code>	the font size of the root element
<code>vh</code>	the font size of the root element
<code>vw</code>	the font size of the root element
<code>vm</code>	viewport's height or width, whichever is smaller of the two

## COLORS

<code>color name</code>	red, blue, green, dark green
<code>rgb(x,y,z)</code>	red = rgb(255,0,0)
<code>rgb(x%,y%,z%)</code>	red = rgb(100%,0,0)
<code>rgba(x,y,z,alpha)</code>	red = rgba(255,0,0,0)
<code>#rrggbb</code>	red = #ff0000 (or shorthand - #f00)
<code>hsl</code>	(hue, saturation, lightness) red = hsl(0, 100%, 50%)
<code>flavor</code>	an accent color (typically chosen by the user) to customize the user interface of the user agent itself.
<code>currentColor</code>	the font size of the root element



# SELECTOR TYPES

Name	Info	Example
Universal	Any element	* { font: 10px Arial; }
Type	Any element of that type	h1 { text-decoration: underline; }
Grouping	Multiple elements of different types	es h1, h2, h3 { font-family: verdana; }
Class	Multiple elements of different types when you don't want to affect all instances of that type	sampleClass { text-decoration: underline; }
Id	A single element type when you don't want to affect all instances of that type	#sampleID { text-decoration: underline; }
Descendant	An element that is below (in the document tree) another element - no matter how many levels below	: #gallery h1 { text-decoration: underline; }
Child	An element that is directly below (in the document tree) another element	#title > p { font-weight: bold; }
Adjacent Sibling	All elements that share the same parent and elements are in the same immediate sequence	h1 + p { font-style: italic; }
General Sibling	All elements that share the same parent and elements are in the same sequence (not necessarily immediate)	h1 ~ p { font-style: italic; }
Attribute	An element that matches the attribute listed	E[selected] - att whatever the value E[att="val"] - att with a specific value E[rel~="next"] - att with a value is a whitespace separated list '[lang]="en"] - att value either being exactly "val" or beginning with "val" immediately followed by "-" E[att^="val"] - att value that begins with the prefix "val"

## OUTLINE

### outline

outline-color

outline-style

outline-width

### outline-offset

inherit

length

### outline-style

none | dotted | dashed | solid |  
double | groove | ridge | inset |  
outset

### outline-width

thin

medium

thick

length







# SPEECH

## cue

cue-before  
cue-after

## mark

mark-before  
mark-after

## mark-before

string

## mark-after

string

## voice-pitch-range

X-low | low | medium |  
high | x-high | inherit

number

## voice-stress

strong | moderate |  
none | reduced | inherit

## voice-volume

silent | x-soft | soft | medium |  
loud | x-loud | inherit

number

%

## cue-after

url  
silent  
x-soft  
soft  
medium  
loud  
x-loud  
none  
inherit  
number  
%

## caption-side

top | bottom | left | right

## rest

rest-before  
rest-after

## cue-before

url | silent | x-soft | soft |  
medium | loud | x-loud |  
none | inherit

## pause

pause-before  
pause-after

## pause-before

none | x-weak | weak | medium  
| strong | x-strong | inherit

time

## phonemes

string

## voice-duration

time

## voice-family

inherit

<specific-voice, age, gener-  
ic-voice, number>

## voice-rate

x-slow  
slow  
medium  
fast  
x-fast  
inherit  
%

## voice-pitch

x-low  
low  
medium  
high  
x-high  
inherit  
number  
%

## rest-before

none | x-weak | weak | medium  
| strong | x-strong | inherit

time

## rest-after

none | x-weak | weak |  
medium | strong |  
x-strong | inherit

time

## speak

none  
normal  
spell-out  
digits  
literal-punctuation  
no-punctuation  
inherit-number





# TEMPLATE LAYOUT

## box-align

start  
end  
center  
base

## box-direction

normal | reverse

## box-lines

single | multiple

## box-orient

horizontal | verticle | inline-axis |  
block-axis

## box-flex

normal

## box-flex-group

integer

## box-pack

start | end | center | justify

## box-sizing

content-box  
padding-box  
border-box  
margin-box

## tab-side

top | bottom | left | right

# TABLE

## border-collapse

collapse | separate

## empty-cells

show | hide

## border-spacing

length length

## table-layout

auto | fixed

## caption-side

top | bottom | left | right



# TEXT

## direction

ltr | rtl | inherit

## hanging-punctuation

none | [start | end | end-edge

## letter-spacing

normal  
length  
%

## text-outline

none  
color  
length

## unicode-bidi

normal | embed | bidi-override

## white-space

normal  
pre  
nowrap  
pre-wrap  
pre-line

## white-space-collapse

preserve | collapse |  
pre-serve-breaks | discard

## text-emphasis

none  
accent | dot | circle | disc  
before | after  
?

## text-indent

length  
%

## text-justify

auto  
inter-word  
inter-ideograph  
inter-cluster  
distribute  
tuck-in

## text-shadow

none  
color  
length

## punctuation-trim

none | start | end | adjacent

## text-align

start | end | left | right |  
center | justify

## text-align-last

start | end | left | right |  
center | justify

## text-decoration

none  
underline  
overline  
line-through  
blink

## word-break

normal | keep-all | loose |  
break-strict | break-all

## word-wrap

normal  
length  
%

## text-transform

none  
capitalize  
uppercase  
lowercase

## text-wrap

normal | unrestricted | none |  
suppress

## word-spacing

normal  
length  
%





# TRANSITIONS

## transitions

transitions-property  
transitions-duration  
transition-timing-function  
transitions-delay

## transitions-delay

time

## transition-timing-function

ease | linear | ease-in | ease-out  
| ease-in-out | cubic-bezier  
(number, number, number,  
number)

## transitions-duration

time

## transitions-property

none | all

# UI (USER INTERFACE)

## appearance

normal | inherit | icon | window |  
desktop | work-space |  
document | tooltip | dialog |  
button | push-button | hyperlink  
| radio-button | checkbox |  
menu-item | tab | menu |  
menubar | pull-down-menu |  
pop-up-menu | list-menu |  
radio-group | checkbox-group |  
outline-tree | range | field |  
combo-box | signature |  
password]

## cursor

auto | crosshair | default |  
pointer | move | e-resize |  
n-resize | nw-resize | n-resize |  
se-resize | sw-resize | sw-resize |  
s-resize | w-resize | text | wait |  
help

url

## icon

auto | inherit

## nav-index

auto | inherit

number

## nav-up

auto | inherit [current | root |

## nav-right

auto | inherit [current | root |

## nav-down

auto | inherit [current | root |

## nav-left

auto | inherit [current | root |

## resize

none | both | horizontal | vertical  
| inherit

