

# 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

1 **background**  
2  
3 background-image  
4 background-position  
5 background-size  
6 background-repeat  
7 background-attachment  
8 background-origin  
9 background-clip  
10 background-color  
11 background-break  
12  
13  
14  
15  
16 **background-size**  
17  
18 length  
19 %  
20 auto | cover | contain  
21  
22  
23 **background-repeat**  
24  
25 repeat | repeat-x |  
26 repeat-y | no-repeat  
27  
28  
29 **background-attachment**  
30  
31 scroll | fixed  
32  
33 **background-origin**  
34  
35 border-box | padding-box |  
36 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

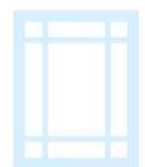
**background-break**  
bounding box | each-box |  
continuous





# BORDER

1	<b>border</b>		<b>border-image</b>
2	border-width		image
3	border-style		[ number / % ]
4	border-color		border-width
5	<b>border-width</b>		stretch   repeat   round
6	thin   medium   thick   length		none
7	<b>border-style</b>		<b>border-top-width</b>
8	none   hidden   dotted   dashed		thin   medium   thick   length
9	solid   double   groove   ridge		<b>border-break</b>
10	inset   outset		border-width
11	<b>border-color</b>		border-style
12	color		color
13	<b>border-bottom</b>		close
14	border-bottom-width		<b>border-bottom-color</b>
15	border-style		border-color
16	border-color		<b>border-bottom-style</b>
17	<b>border-left</b>		border-style
18	border-left-width		<b>border-left-color</b>
19	border-style		border-color
20	border-color		<b>border-left-width</b>
21	<b>border-left-style</b>		thin   medium   thick   length
22	border-style		<b>border-right-style</b>
23	<b>border-top</b>		border-style
24	border-top-width		<b>border-right</b>
25	border-style		border-right-width
26	border-color		border-style
27	<b>border-top-color</b>		border-color
28	border-color		<b>border-radius</b>
29	<b>border-top-style</b>		border-radius
30	border-style		border-top-right-radius
31	<b>box-shadow</b>		border-bottom-right-radius
32	inset		border-bottom-left-radius
33	[ length, length, length, length ]		border-top-left-radius
34	<color>		<b>border-top-right-radius</b>
35	none		length
36	<b>border-collapse</b>		<b>border-bottom-right-radius</b>
37	collapse   separate		length
38	<b>border-right-width</b>		<b>border-bottom-left-radius</b>
39	thin   medium   thick   length		length
40	<b>border-right-color</b>		
	border-color		





# BOX MODEL

1 **float**  
2 left | right | none  
3 **height**  
4 auto | length | %  
5 **max-height**  
6 none | length | %  
7 **max-width**  
8 none | length | %  
9 **min-height**  
10 none | length | %  
11 **min-height**  
12 none | length | %  
13 **width**  
14 auto | % | length  
15 **padding**  
16 padding-top  
17 padding-right  
18 padding-bottom  
19 padding-left  
20 **padding-bottom**  
21 length  
22 **padding-left**  
23 length  
24 %  
25 **padding-right**  
26 length  
27 %  
28 **padding-top**  
29 length  
30 %  
31 **display**  
32 none  
33 inline  
34 block  
35 inline-block  
36 list-item  
37 run-in  
38 compact  
39 table  
40 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

## hyphens

none, manual, auto

## 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

none, identifier number

## 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

```
clear { float: none; clear: both; }
```





# 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

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39  
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## alignment-adjust

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

length  
%

## alignment-baseline

baseline | use-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

1		
2		
3	<b>:active</b>	an activated element
4	<b>:focus</b>	an element while the element has focus
5	<b>:hover</b>	an element when you mouse over it
6		
7	<b>:link</b>	an unvisited link
8		
9	<b>:disabled</b>	an element while the element is disabled
10	<b>:enabled</b>	an element while the element is enabled
11	<b>:checked</b>	an element that is checked
12		
13	<b>:selection</b>	an element that is currently selected or highlighted by the user
14		
15	<b>:lang</b>	allows the author to specify a language to use in a specified element
16	<b>:nth-child(n)</b>	an element that is the n-th sibling
17		
18	<b>:nth-last-child(n)</b>	an element that is the n-th sibling counting from the last sibling
19	<b>:first-child</b>	an element that is the first sibling
20		
21	<b>:last-child</b>	an element that is the last sibling
22	<b>:only-child</b>	an element that is the only child
23		
24	<b>:nth-of-type(n)</b>	an element that is the n-th sibling of its type
25	<b>:nth-last-of-type(n)</b>	an element that is the n-th sibling of its type counting from the last sibling
26		
27	<b>:last-of-type</b>	an element that is the last sibling of its type
28	<b>:first-of-type</b>	an element that is the first sibling of its type
29		
30	<b>:only-of-type</b>	an element that is the only child of its type :empty an element that has no children
31	<b>:root</b>	root element within the document
32		
33	<b>:not(x)</b>	an element not represented by the argument 'x'
34	<b>:target</b>	a target element as specified by a target in a UR
35		
36		
37		
38		
39		
40		





# PSEUDO-ELEMENT

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

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## ABSOLUTE MEASUREMENT

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

## RELATIVE MEASUREMENT

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

## ANGLES

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

## COLORS

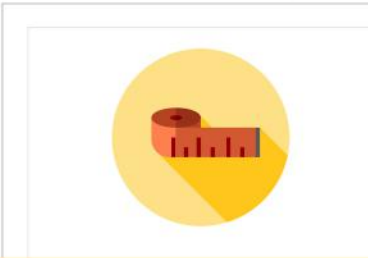
<b>color name</b>	red, blue, green, dark green
<b>rgb(x,y,z)</b>	red = rgb(255,0,0)
<b>rgb(x%,y%,z%)</b>	red = rgb(100%,0,0)
<b>rgba(x,y,z,alpha)</b>	red = rgba(255,0,0,0)
<b>#rrggbb</b>	red = #ff0000 (or shorthand - #f00)
<b>hsl</b>	(hue, saturation, lightness) red = hsl(0, 100%, 50%)
<b>flavor</b>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

## TIME

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

## FREQUENCY

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





# 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

1 **cue**  
2 cue-before  
3 cue- after  
4 **mark**  
5 mark-before  
6 mark-after  
7 **mark-before**  
8 string  
9 **mark-after**  
10 string  
11 **voice-pitch-range**  
12 X-low | low | medium |  
13 high | x-high | inherit  
14 number  
15 **voice-stress**  
16 strong | moderate |  
17 none | reduced | inherit  
18 **voice-volume**  
19 silent | x-soft | soft | medium |  
20 loud | x-loud | inherit  
21 number  
22 %  
23 **cue-after**  
24 url  
25 silent  
26 x-soft  
27 soft  
28 medium  
29 loud  
30 x-loud  
31 none  
32 inherit  
33 number  
34 %  
35 **caption-side**  
36 top | bottom | left | right  
37 **rest**  
38 rest-before  
39 rest-after  
40

**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

1  
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## box-align

start  
end  
center  
base

## box-direction

normal | reverse

## box-lines

single | multiple

## box-orient

horizontal | vertical | 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

1 **direction**  
2 ltr | rtl | inherit  
3  
4 **hanging-punctuation**  
5 none | [start | end | end-edge]  
6  
7 **letter spacing**  
8 normal  
9 length  
10 %  
11  
12 **text-outline**  
13 none  
14 color  
15 length  
16  
17 **unicode-bidi**  
18 normal | embed | bidi-override  
19  
20 **white-space**  
21 normal  
22 pre  
23 nowrap  
24 pre-wrap  
25 pre-line  
26  
27 **white-space-collapse**  
28 preserve | collapse |  
29 pre-serve-breaks | discard  
30  
31 **text-emphasis**  
32 none  
33 accent | dot | circle | disc  
34 before | after  
35 ?  
36  
37 **text-indent**  
38 length  
39 %  
40  
41 **text-justify**  
42 auto  
43 inter-word  
44 inter-ideograph  
45 inter-cluster  
46 distribute  
47 kashida  
48 tibetan

**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  
%

Aa



# 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 | swresize |  
s-resize | w-resize | text | wait |  
help

url

## icon

auto | inherit

url

## 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

