

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

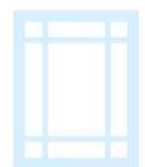
background-break
bounding box | each-box |
continuous





BORDER

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





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

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





PSEUDO-ELEMENT

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

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ABSOLUTE MEASUREMENT

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

RELATIVE MEASUREMENT

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

ANGLES

%	degrees
cm	grads
in	radians
mm	turns

COLORS

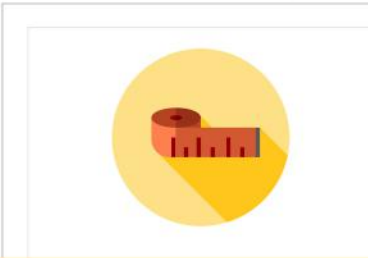
color name	red, blue, green, dark green
rgb(x,y,z)	red = rgb(255,0,0)
rgb(x%,y%,z%)	red = rgb(100%,0,0)
rgba(x,y,z,alpha)	red = rgba(255,0,0,0)
#rrggbb	red = #ff0000 (or shorthand - #f00)
hsl	(hue, saturation, lightness) red = hsl(0, 100%, 50%)
flavor	an accent color (typically chosen by the user) to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

TIME

ms	milli-seconds
s	seconds

FREQUENCY

Hz	hertz
kHz	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
%



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

