



# THE MEGA CHEAT SHEET

CSS3 is the latest evolution of the Cascading Style Sheets language and aims at extending CSS2.1. It brings a lot of long-awaited novelties, like rounded corners, shadows, gradients, transitions or animations, as well as new layouts like multi-columns, flexible box or grid layouts. Experimental parts are vendor-prefixed and should either be avoided in production environments, or used with extreme caution as both their syntax and semantics can change in the future.

## BACKGROUNDS

### background

background-image

background-position

background-size

background-repeat

background-attachment

background-origin

background-clip

background-color

### background-origin

border-box | padding-box | content-box

### 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-attachment

scroll | fixed

### background-break

bounding-box | each-box | continuous

### background-clip

length

%

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

### background-repeat

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

### background-color

color

transparent

### background-color

color

transparent

### background-image

url

none

### background-size

length

%

auto | cover | contain

# BORDER

## border

border-width  
border-style  
border-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-right-color

border-color

## border-right-width

thin | medium | thick | length

## border-top-width

thin | medium | thick | length

## border-width

thin | medium | thick | length

## border-style

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

## 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-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

## background-color

color  
transparent

## border-collapse

collapse | separate

## border-color

color

## border-image

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

## 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 | inherit

length

%

### width

auto

%

length

### 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

%

### 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

### marquee-direction

forward | reverse

### marquee-loop

infinite

integer

### marquee-play-count

infinite

integer

### marquee-speed

slow | normal | fast

### marquee-style

scroll | slide | alternate

### overflow

visible | hidden | scroll |

auto | no-display | no-content

overflow-x

overflow-y

### overflow-style

auto | marquee-line | marquee-block

### overflow-x

visible | hidden | scroll |

auto | no-display | no-content

### overflow-y

visible | hidden | scroll |

auto | no-display | no-content

### rotation

angle

### rotation-point

position (paired value off-set)

### visibility

visible | hidden | collapse

### clear

left | right | both | none

# 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-adjust

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

# 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

## 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

## text-shadow

none

color

length

## word-break

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

## word-wrap

normal

length

%

## text-emphasis

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

## text-indent

length

%

## text-justify

auto | inter-word | inter-ideograph |  
inter-cluster | distribute | kashida |  
tibetan

## text-transform

none | capitalize | uppercase |  
lowercase

## text-wrap

normal | unresrricted | none |  
suppress

## word-spacing

normal

length

%

# COLUMN

## column-count

auto  
number

## column-fill

auto | balance

## column-gap

normal  
length

## column-rule

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

## column-rule-style

border-style

## columns

column-width  
column-count

## column-rule-width

thin | medium | thick  
length

## column-span

1 | all

## column-width

auto  
length

# COLORS

## color

inherit  
color

## opacity

inherit  
number

## grid-columns

none | inherit  
[ length percentage relative length ]

## grid-rows

none | inherit  
[ length percentage relative length ]

# TEMPLATE LAYOUT

## box-align

start | end | center | base

## box-direction

normal | reverse

## box-flex

normal

## box-flex-group

integer

## box-lines

single | multiple

## box-orient

horizontal | verticle | inline-axis |  
block-axis

## 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

**cue**

cue-before

cue-after

**cue-before**

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

number

%

**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

%

**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 | [ &lt;specific-voice, age, generic-voice, number&gt; ]

**voice-rate**

x-slow | slow | medium | fast | x-fast | inherit

%

**voice-pitch**

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

number

%

**caption-side**

top | bottom | left | right

**rest**

rest-before

rest-after

**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

**cue**

cue-before

cue-after

**cue-before**url [ silent | x-soft | soft | medium | loud |  
x-loud | none | inherit ]

number

%

**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

%

**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, generic-voice,  
number> ]**voice-rate**

x-slow | slow | medium | fast | x-fast | inherit

%

**voice-pitch**

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

number

%

**caption-side**

top | bottom | left | right

**rest**

rest-before

rest-after

**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

# 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 | katakana-iroha | footnotes

## marker-offset

auto

length

# ANIMATIONS

## animations

animation-name

animation-duration

animation-timing-function

animation-delay

animation-iteration-count

animation-direction

## animation-timing-function

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

## animation-delay

time

## animation-delay

time

## animation-name

none | IDENT

## animation-direction

normal | alternate

## animation-iteration-count

inherit

number

## animation-play-state

running | paused

# TRANSITIONS

## transitions

transitions-property

transitions-duration

transitions-timing-function

transitions-delay

## transitions-delay

time

## transitions-duration

time

## transitions-property

none | all

## transition-timing-function

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



**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 | ne-resize | nw-resize | n-resize | se-resize | sw-resize | s-resize | w-resize | text | wait | help

url

**icon**

auto | inherit

url

**nav-index**

auto | inherit

number

**nav-up**

auto | inherit  
<id> [current | root | <target-name> ]

**nav-right**

auto | inherit  
<id> [current | root | <target-name> ]

**nav-down**

auto | inherit  
<id> [current | root | <target-name> ]

**nav-left**

auto | inherit  
<id> [current | root | <target-name> ]

**resize**

none | both | horizontal | vertical | inherit

## PSEUDO-CLASS

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

## 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

## 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 "0" 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 viewport's height
vw	the viewport's width
vm	viewport's height or width, whichever is smaller of the two

## ANGLES

deg	degrees
grad	grads
rad	radians
turn	turns

## TIME

ms	milli-seconds
s	seconds

## FREQUENCY

Hz	hertz
kHz	kilo-hertz

## 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)
#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	computed value of the 'currentColor' keyword is the computed value of the 'color' property

## SELECTOR TYPES

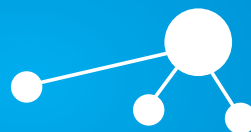
Name	Info	Example
Universal	Any element	<code>* { font: 10px Arial; }</code>
Type	Any element of that type	<code>h1 { text-decoration: underline; }</code>
Grouping	Multiple elements of different types	<code>h1, h2, h3 { font-family: Verdana; }</code>
Class	Multiple elements of different types when you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



## THE MEGA CHEAT SHEET

INFOGRAPHIC BY

make a  
**websitehub.com**



# 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

# 3D / 2D TRANSFORM

## backface-visibility

visible | hidden

## perspective

none  
number

## perspective-origin

[ [ [ percentage | <length> | left | center | right ] [ <percentage> | <length> | top | center | bottom ]? ] <length> ] | [ [ [ left | center | right ] || [ top | center | bottom ] ] <length> ]

## transform

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

## transform-origin

[ [ [ <percentage> | <length> | left | center | right ] [ <percentage> | <length> | top | center | bottom ]? ] <length> ] | [ [ [ left | center | right ] || [ top | center | bottom ] ] <length> ]

## transform-style

flat | preserve-3d

# GENERATED CONTENT

## bookmark-label

content  
attr  
string

## bookmark-level

none  
integer

## bookmark-target

self  
url  
attr

## border-length

self  
url  
attr

## content

normal | none | inherit  
url

## 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

## 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

## marks

[crop || cross ] | none

## move-to

normal | here  
identifier

## page-policy

start | first | last

## quotes

none  
string string string string

## string-set

identifier  
content-list

## text-replace

none  
[<string> <string>]+

## 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 | iscript | 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

### drop-initial-after-align

central | middle | after-edge | text-after-edge | ideographic | alphabetic | mathematical

%

### drop-initial-before-align

caps-height

alignment-baseline

### drop-initial-before-adjust

before-edge | text-before-edge | central | middle | hanging | mathematical

length

%

### drop-initial-value

initial

integer

### drop-initial-size

auto

integer

%

line

### 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

%

## HYPERLINK

### target

target-name

target-new

target-position

### target-name

current | root | parent | new | modal

string

### target-new

window | tab | none

### target-position

above | behind | front | back

POSITIONING

bottom

auto

%

length

right

auto

%

length

clip

shape

auto

top

auto

%

length

left

auto

%

length

z-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

PAGED MEDIA

fit

fill | hidden | meet | slice

fit-position

[top | center | bottom] || [left | center | right]

length

%

orphans

integer

image-orientation

auto

angle

page

auto

identifier

page-break-after

auto | always | avoid | left | right

page-break-before

auto | always | avoid | left | right

page-break-inside

auto | avoid

size

auto | landscape | portrait

length

windows

integer