



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-x

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 POSTIONING

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-beforeurl [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-volumesilent | x-soft | soft | medium | loud | x-loud |
inherit

number

%

cue-afterurl [silent | x-soft | soft | medium | loud
| x-loud | none | inherit]

number

%

pause

pause-before

pause-after

pause-beforenone | x-weak | weak | medium | strong
| x-strong | inherit

time

phonemes

string

voice-duration

time

voice-familyinherit | [<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-beforenone | x-weak | weak | medium |
strong | x-strong | inherit

time

rest-afternone | x-weak | weak | medium |
strong | x-strong | inherit

time

speaknone | normal | spell-out | digits |
literal-punctuation | no-punctuation |
inherit-number

cue

cue-before

cue-after

cue-beforeurl [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-volumesilent | x-soft | soft | medium | loud | x-loud |
inherit

number

%

cue-afterurl [silent | x-soft | soft | medium | loud |
x-loud | none | inherit]

number

%

pause

pause-before

pause-after

pause-beforenone | x-weak | weak | medium | strong |
x-strong | inherit

time

phonemes

string

voice-duration

time

voice-familyinherit [<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-beforenone | x-weak | weak | medium |
strong | x-strong | inherit

time

rest-afternone | x-weak | weak | medium |
strong | x-strong | inherit

time

speaknone | 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

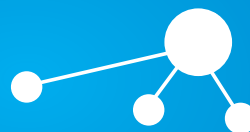
| Name | Info | Example |
|------------------|---|---|
| Universal | Any element | <code>* { font: 10px Arial; }</code> |
| Type | Any element of that type | <code>h1 { text-decoration: underline; }</code> |
| Grouping | Multiple elements of different types | <code>h1, h2, h3 { font-family: Verdana; }</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 > 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 | 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

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