What makes a website unique is its styling. A must-have skill for every web developer.
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</tr>
</tbody>
</table>
Backgrounds

`background`

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

`background-image`
`url`
`gradients`
`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-size`
`length`
`
`auto | cover | contain`

`background-repeat`
`repeat | repeat-x | repeat-y | no-repeat`
background-attachment
scroll | fixed | local

background-origin
border-box | padding-box | content-box

background-clip
border-box | padding-box | content-box

background-color
color
transparent

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-right-color

border-color

border-right-width

thin | medium | thick | length

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-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-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
going
left | right | none

height
auto
length
%

max-height
none
length
%

max-width
none
length%

min-height
none
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 | flex | inline-flex | grid |
inline-grid | contents | list-item | run-in | compact | table |
iteline-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

overflow
visible | hidden | scroll |
auto | no-display | no-content

overflow-x
overflow-y

overflow-style
auto | marquee-line | marqueeblock

overflow-x
visible | hidden | scroll |
auto | no-display | no-content

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 | messagebox | small-caption | status-bar

font-size-adjust
none | inherit

font-family
serif | sans-serif | Font Name

font-style
normal | italic | oblique | inherit

font-variant
normal | small-caps | inherit

font-size
xx-small | x-small | small | medium | large | x-large | xxlarge |
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 | endedge ]

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
perserve | collapse | pre-servebreaks | 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-thorugh | blink

text-shadow
none
color
length

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

word-wrap
normal
nowrap

text-emphasis
none | [ [ accent | dot | circle | disc | [ before | after ]?]}
text-indent
length
%

text-justify
auto | inter-word | interideograph | inter-cluster | distribute | kashida | tibetan

text-transform
none | capitalize | uppercase | lowercase

text-wrap
normal | unrestricted | 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

Table
border-collapse
collapse | separate
empty-cells
show | hide
border-spacing
length length
table-layout
auto | fixed

caption-side
top | bottom | left | right

Speech

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 | xhigh | 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 | xhigh | inherit
number
%

caption-side
top | bottom | left | right

rest
rest-before
rest-after
rest-before
none | x-weak | weak | medium | strong | x-strong | inherit

**rest-after**

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

**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**

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-name
none | IDENT

animation-duration
time

animation-timing-function
ease | linear | ease-in | easeout | 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

rotation
angle

rotation-point

position (paired value off-set)
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 | cubicBezier(
number, number, number, number)

UI

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 | neresize |
w-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 <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

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

<table>
<thead>
<tr>
<th>Pseudo-Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>::first-letter</td>
<td>Adds special style to the first letter of a text</td>
</tr>
<tr>
<td>::first-line</td>
<td>Adds special style to the first line of a text</td>
</tr>
<tr>
<td>::before</td>
<td>Inserts some content before the content of an element</td>
</tr>
<tr>
<td>::after</td>
<td>Inserts some content after the content of an element</td>
</tr>
</tbody>
</table>

Absolute Measurement

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>percentage</td>
</tr>
<tr>
<td>cm</td>
<td>centimeter</td>
</tr>
<tr>
<td>in</td>
<td>inch</td>
</tr>
<tr>
<td>mm</td>
<td>milimeter</td>
</tr>
<tr>
<td>pc</td>
<td>pica (1p = 12 points)</td>
</tr>
<tr>
<td>pt</td>
<td>point (1pt = 1/72 inch)</td>
</tr>
<tr>
<td>px</td>
<td>pixel (1px = 1/96 inch)</td>
</tr>
</tbody>
</table>

Relative Measurement

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ch</td>
<td>width of the “0” glyph found in the font for the font size used to render</td>
</tr>
<tr>
<td>em</td>
<td>1em = current font size of current element</td>
</tr>
<tr>
<td>ex</td>
<td>x-height of the element’s font</td>
</tr>
<tr>
<td>gd</td>
<td>the grid defined by ‘layout-grid’</td>
</tr>
<tr>
<td>rem</td>
<td>the font size of the root element</td>
</tr>
<tr>
<td>Unit</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>vh</td>
<td>the viewport’s height</td>
</tr>
<tr>
<td>vw</td>
<td>the viewport’s width</td>
</tr>
<tr>
<td>vm</td>
<td>viewport’s height or width, whichever is smaller of the two</td>
</tr>
</tbody>
</table>

### Angles

<table>
<thead>
<tr>
<th>Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>deg</td>
<td>degrees</td>
</tr>
<tr>
<td>grad</td>
<td>grads</td>
</tr>
<tr>
<td>rad</td>
<td>radians</td>
</tr>
<tr>
<td>turn</td>
<td>turns</td>
</tr>
</tbody>
</table>

### Time

<table>
<thead>
<tr>
<th>Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ms</td>
<td>mili-seconds</td>
</tr>
<tr>
<td>s</td>
<td>seconds</td>
</tr>
</tbody>
</table>

### Frequency

<table>
<thead>
<tr>
<th>Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hz</td>
<td>hertz</td>
</tr>
<tr>
<td>kHz</td>
<td>kilo-hertz</td>
</tr>
</tbody>
</table>
Colors

<table>
<thead>
<tr>
<th>color name</th>
<th>red, blue, green, dark green</th>
</tr>
</thead>
<tbody>
<tr>
<td>rgb(x,y,z)</td>
<td>red = rgb(255,0,0)</td>
</tr>
<tr>
<td>rgb(x%,y%,z%)</td>
<td>red = rgb(100%,0,0)</td>
</tr>
<tr>
<td>rgba(x,y,z,alpha)</td>
<td>red = rgba(255,0,0,0)</td>
</tr>
<tr>
<td>#rrggbb</td>
<td>red = #ff0000 (or shorthand - #f00)</td>
</tr>
<tr>
<td>hsl(hue, saturation, lightness)</td>
<td>red = hsl (0, 100%, 50%)</td>
</tr>
</tbody>
</table>

**flavor**
An accent color (typically chosen by the user) to customize the user interface of the user agent itself.

**currentColor**
computer value of the ‘currentColor’ keyword is the computed value of the ‘color’ property

Selector Types

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

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 | textafter-edge | ideographic | alphabetic | hanging | mathematical

length
%

alignment-baseline
baseline | ise-script | beforeedge | text-before-edge | afteredge | 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-beforedge

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-lineheight | max-height | gridheight*

**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