

# welcome

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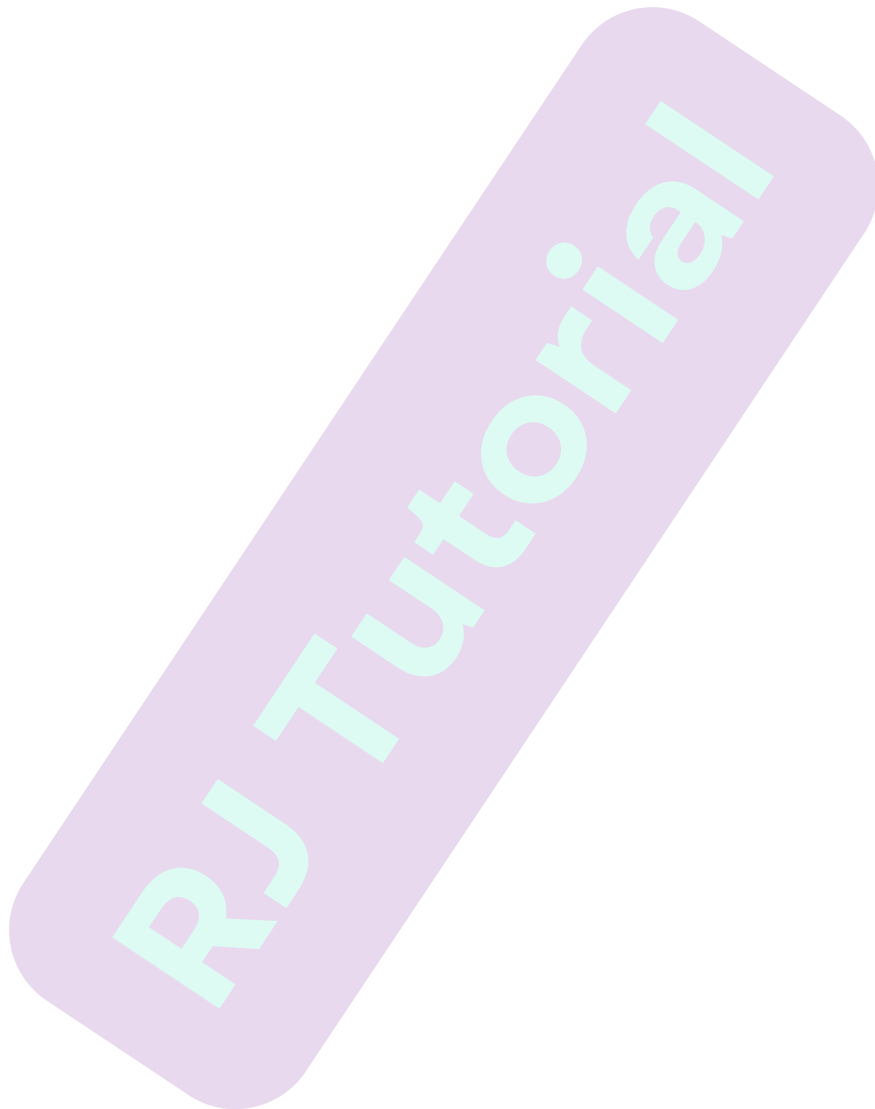
RJ Tutorial

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# Table of Contents

Backgrounds	3
Border	4
Box Model	7
Font	9
Text	10
Column	12
Colors	13
Table	13
Speech	14
List & Markers	16
Animations	17
Transitions	18
UI	18
Pseudo-Class	20
Pseudo-Element	21
Absolute Measurement	21
Relative Measurement	21
Angles	22
Time	22
Frequency	22
Colors	23
Selector Types	23
Outline	25

3D / 2D Transform	25
Generated Content	26
Line Box	28
Hyperlink	31
Positioning	31
Ruby	32
Paged Media	32



# 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`

`repeat | repeat-x | repeat-y |`

## **background-repeat**

`no-repeat`

**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**

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

length

**padding-bottom**

%

**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 | 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

## **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`

`number`

**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**

**preserve | 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-through | 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 | 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`

## 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`

`%`

`top | bottom | left | right`

## **caption-side**

`rest-before`

`rest`

`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-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` | `nesize` | `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 <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

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# Pseudo-Class

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

## Pseudo-Element

<code>::first-letter</code>	Adds special style to the first letter of a text
<code>::first-line</code>	Adds special style to the first line of a text
<code>::before</code>	Inserts some content before the content of an
<code>::after</code>	element Inserts some content after the content of an

## Absolute Measurement

<code>%</code>	percentage
<code>cm</code>	centimeter
<code>in</code>	inch
<code>mm</code>	millimeter
<code>pc</code>	pica (1p = 12 points)
<code>pt</code>	point (1pt = 1/72 inch)
<code>px</code>	pixel (1px = 1/96 inch)

## Relative Measurement

<code>ch</code>	width of the "0" glyph found in the font for the font size used to
<code>em</code>	render 1em = current font size of current element
<code>ex</code>	x-height of the element's font
<code>gd</code>	the grid defined by 'layout-grid'
<code>rem</code>	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	mili-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(255,0,0,0)
#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	computer 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>#sampleID { text-decoration: underline; }</code>
Descendant	An element that is below (in the document tree) another element - no matter how many levels	<code>#gallery h1 { text-decoration: underline; }</code>

	below	
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 that matches the attribute listed	<p><code>E[selected]</code> - att whatever the value</p> <p><code>E[att="val"]</code> - att with a specific value</p> <p><code>E[rel~="next"]</code> - att with a value is a whitespace separated list</p> <p><code>*[lang="en"]</code> - att value either being exactly "val" or beginning with "val" immediately followed by "-"</p> <p><code>E[att^="val"]</code> - att value that begins with the prefix "val"</p>

# 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

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 | 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-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-lineheight | max-height | gridheight

## **line-stacking-ruby**

exclude-ruby | include-ruby

## **line-stacking-shift**

consider-shifts | disregardshifts

## **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

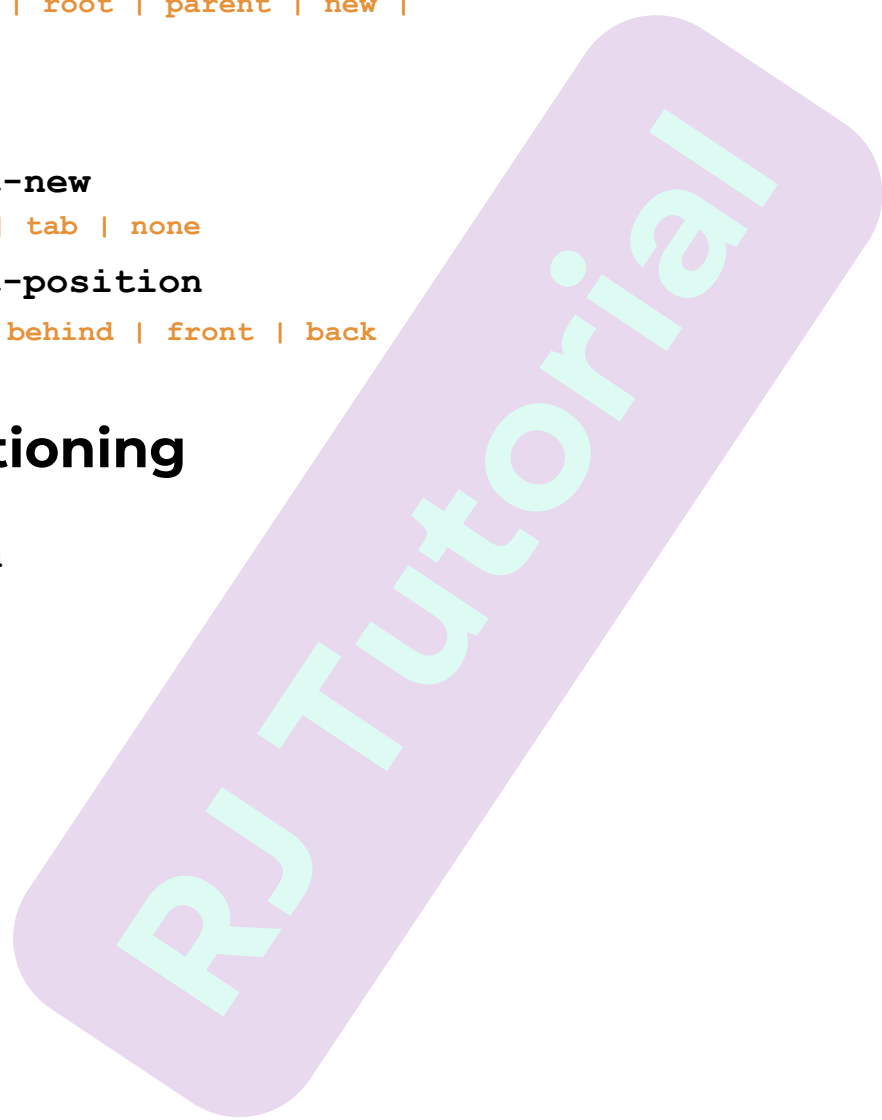
**clip**

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**

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