CSS PROPERTIES

BACKGROUNDS

background-image

background-position

background-size

background-repeat

background-attachment

background-clip

background-color

background-image Function

url

linear-gradient

radial-gradient

repeating-linear-gradient

radial-repeating-gradient

background-position

top left | top center | top right | center left | center center | center right | bottom left | bottom center | bottom right

background-position:20% 10%; (x-axis y-axis)

background-position-x : 20px(x-axis)

background-position-y : 20px(y-axis)

background-size

px | % | cover | contain

background-repeat

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

background-attachment

scroll | fixed |

background-clip

border-box | padding-box | content-box | text (for text gradients)

background-color

color | transparent

BORDER

- border-color

- border-width

- border-radius

- border-top-left-radius

- border-top-right-radius

- border-bottom-left-radius

- border-bottom-right-radius

border-style

none | hidden | dotted |

dashed | solid | double |

groove | ridge | inset | outset

margin

margin-top | margin-right | margin-bottom | margin-left | auto

padding

padding-top | padding-right | padding-bottom | padding-left |auto

overflow

visible | hidden | scroll | auto | overflow-x | overflow-y

visibility

visible | hidden

FONT

font-style | font-variant | font-weight | font-size | font-family

text-transform

none | capitalize | uppercase | lowercase

text spacing

word-spacing | letter-spacing | line-height | text-indent

text-decoration

none | underline | overline | line-thorugh | blink

text-align

left | right | center | justify

LIST-STYLE

list-style-type

list-style-position

list-style-image

list-style-image

url

list-style-type

none | circle | disc | square | lower-roman | upper-roman | lower-alpha | upper-alpha

CSS TABLES

border | width | height | border-collapse | text-align | vertical-align padding | tr:hover(Hoverable Table | tr:nth-child(even)

CSS Shadow Effects

- text-shadow
- box-shadow

:active	an activated element
:focus	an element while the element has focus
:hover	an element when you mouse over it
:link	an unvisited link

::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 the content of an element
::after	Inserts some content after the content of an element
::selection	an element that is currently selected or highlighted by the user

::placeholder	The ::placeholder selector selects form elements with placeholder text, and let you style the placeholder text.
:nth-child(n)	an element that is the n-th sibling
:first-child	an element that is the first sibling
:last-child	an element that is the last sibling
:not(x)	an element not represented by the argument 'x'

COLOR

color name	red, blue, green, dark green
rgb(x,y,z)	red = rgb(255,0,0)
HSL(x,y,z)	hsl(100, 100, 5)
rgba(x,y,z,alpha)	red = rgba(255,0,0,0)

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	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; }

Name	Info	Example
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; }
Attribute	The [attribute] selector is used to select elements with a specified attribute.	a[target] { background-color: yellow;}

Name	Info	Example
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; }

DISPLAY

none | inline | block | inline-block | flex (align-self, align-items,justify-content , flex direction)| inline-flex | table | inline-table | table-cell |

TRANSFORM

translate | tranlateX | translateY | scale | scaleX | scaleY | scaleZ |

rotate |rotate3d | rotateX | rotateY | rotateZ | skewX | skewY | skew |

transform-origin

<percentage> | left | center | right

TRANSITIONS

transitions-property

transitions-duration

transitions-timing-function

- ease - specifies a transition effect with a slow start, then fast, then end slowly (this is default)
- linear - specifies a transition effect with the same speed from start to end
- ease-in - specifies a transition effect with a slow start
- ease-out - specifies a transition effect with a slow end
- ease-in-out - specifies a transition effect with a slow start and end

transitions-delay

z-index

auto

Number

POSITION

static | relative | absolute | fixed

ANIMATIONS

animation-name

animation-duration

animation-timing-function

- linear

- ease

- ease-in

- ease-out

- ease-in-out

animation-delay

animation-iteration-count

animation-direction

Media Queries

Media queries allow you to customize the presentation of your web pages for a specific range of devices like mobile phones, tablets, desktops, etc. without any change in markups.

Breakpoints

```css
/* Smartphones (portrait and landscape) ---------- */
@media screen and (min-width: 320px) and (max-width: 480px){

    /* styles */

}
/* Smartphones (portrait) ---------- */
@media screen and (max-width: 320px){

    /* styles */

}
/* Smartphones (landscape) ---------- */
@media screen and (min-width: 321px){

    /* styles */

}
/* Tablets, iPads (portrait and landscape) ---------- */
@media screen and (min-width: 768px) and (max-width: 1024px){

    /* styles */

}
/* Tablets, iPads (portrait) ---------- */
@media screen and (min-width: 768px){

    /* styles */

}
/* Tablets, iPads (landscape) ---------- */
@media screen and (min-width: 1024px){

    /* styles */

}
/* Desktops and laptops ---------- */
@media screen and (min-width: 1224px){

    /* styles */

}
/* Large screens ---------- */
@media screen and (min-width: 1824px){

    /* styles */

}
```

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