

CSS Cheatsheet

Font

Font-Family

```
font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif; /* Sets prioritized fonts for text */
```

Font-Style

```
font-style: italic; /* Makes text italic */
```

Font-Variant

```
font-variant: small-caps; /* Displays lowercase as small capital letters */
```

Font-Weight

```
font-weight: bold; /* or 100-900 for thickness control */
```

Font-Size

```
font-size: 1rem; /* Sets text size, responsive with rem */
```

Font (Shorthand)

```
font: italic small-caps bold 1rem/1.5 'Segoe UI'; /* Combines style, variant, weight, size, line-height, family */
```

Font-Kerning

```
font-kerning: normal; /* Controls spacing between letters */
```

Font-Stretch

```
font-stretch: condensed; /* Expands or condenses text width */
```

Font-Variant-Ligatures

```
font-variant-ligatures: common-ligatures; /* Enables typographic ligatures */
```

Text

Text-Align

```
text-align: justify; /* Aligns text evenly across the line */
```

Letter-Spacing

```
letter-spacing: 0.15em; /* Adjusts space between characters */
```

Text-Decoration

```
text-decoration: underline; /* Adds decoration like underline/overline/line-through */
```

Word-Spacing

```
word-spacing: 0.25em; /* Sets spacing between words */
```

Text-Transform

```
text-transform: uppercase; /* Converts text to uppercase */
```

Text-Indent

```
text-indent: 0.5cm; /* Indents the first line of text */
```

Line-Height

```
line-height: 1.5; /* Sets vertical spacing between lines */
```

Text-Overflow

```
text-overflow: ellipsis; /* Adds ... when text overflows */
```

White-Space

```
white-space: nowrap; /* Prevents text from wrapping */
```

Word-Break

```
word-break: break-word; /* Breaks long words to fit */
```

Hyphens

```
hyphens: auto; /* Allows automatic hyphenation */
```

Background

Background-Image

```
background-image: url("path"), linear-gradient(...); /* Adds image or gradient */
```

Background-Position

```
background-position: center; /* Positions background image */
```

Background-Size

```
background-size: cover; /* Scales image to cover element */
```

Background-Clip

```
background-clip: text; /* Clips background to text */
```

Background-Blend-Mode

```
background-blend-mode: multiply; /* Blends background layers */
```

Background (Shorthand)

```
background: url('image.jpg') no-repeat center/cover; /* Sets multiple background properties at once */
```

Border & Outline

Border

```
border: 2px solid #000; /* Adds border with size, style, color */
```

Border-Radius

```
border-radius: 15px; /* Rounds corners */
```

Outline

```
outline: 2px dashed red; /* Adds outline outside element box */  
outline-offset: 4px; /* Adjusts distance from element */
```

Border-Image

```
border-image: url(border.png) 30 round; /* Uses image as border */
```

Box Model

Margin & Padding

```
margin: 10px 20px; /* Outer spacing */  
padding: 5px 10px; /* Inner spacing */
```

Width & Height

```
width: 100%; /* Element width */  
height: fit-content; /* Height based on content */
```

Box-Sizing

```
box-sizing: border-box; /* Includes padding/border in total size */
```

Overflow

```
overflow: hidden; /* Hides overflow */
overflow-x: scroll; /* Scroll horizontally */
overflow-y: auto; /* Scroll vertically as needed */
```

Aspect-Ratio

```
aspect-ratio: 16/9; /* Keeps width:height ratio */
```

Object-Fit

```
object-fit: cover; /* Scales image/video to fill box */
```

Colors

Color

```
color: #333; /* Text color */
```

Opacity

```
opacity: 0.8; /* Element transparency */
```

Modern Colors

```
color: hsl(200, 80%, 40%); /* HSL color format */
```

Positioning

Position

```
position: relative; /* Sets positioning context */
```

Z-Index

```
z-index: 10; /* Stacking order */
```

Flexbox

Parent (Container)

```
display: flex; /* Activates flex layout */
flex-direction: row; /* Row direction */
justify-content: space-between; /* Distributes space */
align-items: center; /* Aligns items vertically */
gap: 1rem; /* Space between flex items */
```

Child (Item)

```
flex: 1; /* Flexible width */
align-self: center; /* Individual alignment */
order: 2; /* Changes visual order */
```

CSS Grid

Parent (Container)

```
display: grid; /* Enables grid layout */
grid-template-columns: 1fr 2fr; /* Defines columns */
grid-template-rows: auto 1fr auto; /* Defines rows */
grid-template-areas:
"header header"
"sidebar main"
"footer footer"; /* Named grid areas */
gap: 1rem; /* Space between grid items */
```

Child (Item)

```
grid-area: main; /* Places item in named area */
```

CSS Variables

```
:root {
  --primary-color: #007bff; /* Declares variable */
}
div {
  color: var(--primary-color); /* Uses variable */
}
```

Media Queries

```
@media (max-width: 768px) {
  body {
    font-size: 14px; /* Applies styles on small screens */
  }
}
```

Animations & Transitions

Animation

```
@keyframes slide {
  from { transform: translateX(-100%); }
  to { transform: translateX(0); }
}
.element {
  animation: slide 1s ease-in-out infinite alternate; /* Animates element */
}
```

Transition

```
transition: all 0.3s ease-in-out; /* Smoothly animates property changes */
```

Transform

```
transform: scale(1.1) rotate(10deg); /* Moves, rotates, scales elements */
```

Modern Features

Scroll Snap

```
scroll-snap-type: x mandatory; /* Creates snap scrolling */
```

Backdrop Filter

```
backdrop-filter: blur(10px); /* Adds blur behind element */
```

Custom Scrollbar

```
::-webkit-scrollbar { width: 8px; }  
::-webkit-scrollbar-thumb { background: #888; border-radius: 4px; } /* Styles scrollbar */
```

Responsive Sizing

```
font-size: clamp(1rem, 2vw, 1.5rem); /* Responsive font size */
```