

Complete CSS Property Guide

1. Text & Font Styling

- color: Sets text color
- font-size: Defines text size
- font-family: Sets the font type
- font-weight: Boldness (e.g., normal, bold, 400, 700)
- font-style: normal, italic, oblique
- text-align: left, center, right, justify
- text-decoration: none, underline, overline, line-through
- text-transform: uppercase, lowercase, capitalize
- letter-spacing: Adjusts letter spacing
- line-height: Space between lines
- word-spacing: Space between words

2. Background & Colors

- background-color: Sets background color
- background-image: Adds a background image
- background-size: cover, contain, or specific values
- background-repeat: repeat, no-repeat, repeat-x, repeat-y
- background-position: top, center, 50% 50%
- opacity: 0 (transparent) to 1 (fully visible)

3. Box Model (Spacing & Sizing)

- width: Defines element width
- height: Defines element height
- max-width, min-width: Limits element width
- max-height, min-height: Limits element height
- padding: Inner spacing (padding: 10px 20px 10px 20px)
- margin: Outer spacing
- border: Sets a border (border: 2px solid black)
- border-radius: Rounds corners
- box-shadow: Adds shadow effects

4. Positioning & Layout

- display: block, inline, flex, grid, none

- position: static, relative, absolute, fixed, sticky
- top, right, bottom, left: Positioning offsets
- float: left, right, none
- clear: Clears floating elements (left, right, both)
- z-index: Layering order (higher number = above other elements)

5. Flexbox (Responsive Layouts)

- display: flex; Enables Flexbox
- flex-direction: row, row-reverse, column, column-reverse
- justify-content: Align horizontally (flex-start, center, space-between)
- align-items: Align vertically (flex-start, center, stretch)
- flex-wrap: wrap, nowrap

6. Grid (Advanced Layouts)

- display: grid; Enables CSS Grid
- grid-template-columns: Defines column sizes (1fr 1fr 1fr)
- grid-template-rows: Defines row sizes
- gap: Space between grid items (row-gap, column-gap)
- align-items: Aligns items vertically (center, stretch)
- justify-items: Aligns grid items horizontally

7. Animations & Transitions

- transition: Smooth changes (transition: all 0.3s ease)
- transform: Rotate, scale, skew (transform: scale(1.2))
- animation: Adds animations (animation: slide 2s infinite)
- @keyframes: Defines custom animations

8. Visibility & Overflow

- visibility: visible, hidden
- overflow: visible, hidden, scroll, auto
- clip-path: Crops elements into shapes