Tailwind CSS Cheat Sheet

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I. Spacing Utilities

Margin (m)

➢ m-{size}: Adds margin on all sides of an element.
Example: m-4 adds a margin of 1rem (16px) on all sides.

➢ mx-{size}: Adds margin on the left and right sides of an element.
Example: mx-2 adds a margin of 0.5rem (8px) on the left and right.

➢ my-{size}: Adds margin on the top and bottom sides of an element.
Example: my-3 adds a margin of 0.75rem (12px) on the top and bottom.

➢ mt-{size}, mr-{size}, mb-{size}, ml-{size}: Adds margin to the top, right, bottom, or left side of an element.
Example: mt-5 adds a margin of 1.25rem (20px) to the top.

Padding (p)

➢ p-{size}: Adds padding on all sides of an element.
Example: p-6 adds padding of 1.5rem (24px) on all sides.

➢ px-{size}: Adds padding on the left and right sides of an element.
Example: px-4 adds padding of 1rem (16px) on the left and right.

➢ py-{size}: Adds padding on the top and bottom sides of an element.
Example: py-2 adds padding of 0.5rem (8px) on the top and bottom.

➢ pt-{size}, pr-{size}, pb-{size}, pl-{size}: Adds padding to the top, right, bottom, or left side of an element.
Example: pb-8 adds padding of 2rem (32px) to the bottom.

Size Values

0: 0rem (0px)	1: 0.25rem (4px)	2: 0.5rem (8px)
3: 0.75rem (12px)	4: 1rem (16px)	5: 1.25rem (20px)

6: 1.5rem (24px)	8: 2rem (32px)	10: 2.5rem (40px)
12: 3rem (48px)	16: 4rem (64px)	20: 5rem (80px)
24: 6rem (96px)	32: 8rem (128px)	40: 10rem (160px)
48: 12rem (192px)	56: 14rem (224px)	64: 16rem (256px)

2. Flexbox Utilities

➢ **flex**: Makes an element a flex container.

➢ **flex-row**: Aligns children horizontally (default).

➢ **flex-col**: Aligns children vertically

➢ **justify-{alignment}**: Aligns children along the main axis.
   Example: **justify-center** centers children horizontally.

➢ **items-{alignment}**: Aligns children along the cross axis.
   Example: **items-end** aligns children to the bottom

➢ **gap-{size}**: Adds spacing between flex items.
   Example: **gap-4** adds a gap of **1rem (16px)**.

3. Grid Utilities

➢ **grid**: Makes an element a grid container.

➢ **grid-cols-{number}**: Defines the number of columns in the grid.
   Example: **grid-cols-3** creates a 3-column grid.

➢ **grid-rows-{number}**: Defines the number of rows in the grid.
   Example: **grid-rows-2** creates a 2-row grid.

➢ **gap-{size}**: Adds spacing between grid items.
   Example: **gap-6** adds a gap of 1.5rem (24px).

4. Typography Utilities

➢ **text-{size}**: Sets the font size.
   Example: **text-lg** sets the font size to 1.125rem (18px).

   Available Sizes (1rem = 16px by default):
      xs: 0.75rem (12px),   **sm**: 0.875rem (14px),   **base**: 1rem (16px)

lg: 1.125rem (18px),	**xl**: 1.25rem (20px),
2xl: 1.5rem(24px),	**3xl**: 1.875rem (30px),
4xl: 2.25rem (36px),	**5xl**: 3rem (48px)
6xl: 3.75rem (60px),	**7xl**: 4.5rem (72px)
8xl: 6rem (96px),	**9xl**: 8rem (128px)

➢ **font-{weight}**: Sets the font weight.
Example: **font-bold** sets the font weight to 700.

Available Weights:

thin: 100,	**extralight**: 200,	**light**: 300,
normal: 400,	**medium**: 500,	**semibold**: 600,
bold: 700,	**extrabold**: 800,	**black**: 900

➢ **text-{color}**: Sets the text color.
Example: **text-blue-500** sets the text color to a shade of blue.

➢ **text-{alignment}**: Aligns text.
Example: **text-center** centers the text.

5. Background Utilities

➢ **bg-{color}**: Sets the background color.
Example: **bg-gray-200** sets the background color to a light gray.

➢ **bg-opacity-{value}**: Sets the background opacity.
Example: **bg-opacity-50** sets the background opacity to 50%.

6. Border Utilities

➢ **border**: Adds a border to an element.
➢ **border-{width}**: Sets the border width.
Example: **border-2** sets the border width to 2px.

➢ **border-{color}**: Sets the border color.
Example: **border-red-500** sets the border color to a shade of red.

➢ **rounded-{size}**: Adds border radius.

Example: rounded-lg adds a border radius of 0.5rem (8px).
Available Sizes:
    none: 0px,   sm: 0.125rem (2px),
    default (or no modifier): 0.25rem (4px)
    md: 0.375rem (6px),   lg: 0.5rem (8px)
    xl:0.75rem (12px),   2xl: 1rem (16px)
    3xl: 1.5rem (24px),
    full: 9999px (creates a circle or pill shape)

7. Sizing Utilities
    ➢ w-{size}: Sets the width of an element.
       Example: w-1/2 sets the width to 50%.

       Available Sizes:
           w-0 (0%),   w-1: 0.25rem (4px),
           w-2: 0.5rem (8px),   w-4: 1rem (16px),
           w-8: 2rem (32px),   w-16: 4rem (64px),
           w-24: 6rem (96px),   w-32: 8rem (128px),
           w-48: 12rem (192px),   w-64: 16rem (256px),
           w-auto,   w-1/5 (50%),
           w-1/3 (33.33%),   w-2/3 (66.66%),
           w-1/4 (25%),   w-full (100%),   w-screen (100vw)

    ➢ h-{size}: Sets the height of an element.
       Example: h-64 sets the height to 16rem (256px).

       Available Sizes:
           h-0 (0%),   h-1: 0.25rem (4px),
           h-2: 0.5rem (8px),   h-4: 1rem (16px),
           h-8: 2rem (32px),   h-16: 4rem (64px),
           h-24: 6rem (96px),   h-32: 8rem (128px),
           h-48: 12rem (192px),   h-64: 16rem (256px),
           h-auto,   h-1/5 (50%),
           h-1/3 (33.33%),   h-2/3 (66.66%),
           h-1/4 (25%),   h-full (100%),   h-screen (100vh)

➢ **min-w-{size}**: Sets the minimum width of an element.
Example: **min-w-full** sets the minimum width to 100%.

Available Sizes:

min-w-0 (0),	min-w-full (100%),
min-w-min (Min-content),	min-w-max (Max-content
min-w-fit (Fit-content)	

➢ **max-w-{size}**: Sets the maximum width of an element.
Example: **max-w-md** sets the maximum width to 28rem (448px).

Available Sizes:

max-w-0: 0rem (0px),	max-w-xs: 20rem (320px),
max-w-sm: 24rem (384px),	max-w-md: 28rem (448px),
max-w-lg: 32rem (512px),	max-w-xl: 36rem (576px),
max-w-2xl: 42rem (672px),	max-w-3xl: 48rem (768px),
max-w-4xl: 56rem (896px),	max-w-5xl: 64rem (1024px),
max-w-6xl: 72rem (1152px),	max-w-7xl: 80rem (1280px),
max-w-full: 100%,	max-w-screen-sm: 640px,
max-w-screen-md: 768px,	max-w-screen-lg: 1024px,
max-w-screen-xl: 1280px,	max-w-screen-2xl: 1536px

8. **Positioning Utilities**
   ➢ **relative**: Makes an element position: relative.
   ➢ **absolute**: Makes an element position: absolute.
   ➢ **fixed**: Makes an element position: fixed.
   ➢ **top-{size}, right-{size}, bottom-{size}, left-{size}**: Positions an element.
   Example: **top-4** positions an element 1rem (16px) from the top.

9. **Shadow Utilities**
   ➢ **shadow-{size}**: Adds a shadow to an element.
   Example: **shadow-lg** adds a large shadow.

   Available Sizes:

shadow-sm: Small shadow (0 1px 2px rgba(0,0,0,0.05))

shadow-default: Medium shadow (0 1px 3px rgba(0,0,0,0.1))

shadow-md: Medium shadow (0 4px 6px rgba(0,0,0,0.1))

shadow-lg: Large shadow (0 10px 15px rgba(0,0,0,0.1))

shadow-xl: Extra-large shadow (0 20px 25px rgba(0,0,0,0.1))

shadow-2xl: Very large shadow (0 25px 50px rgba(0,0,0,0.25))

shadow-inner: Inner shadow

shadow-outline: Thin outline shadow

shadow-none: No shadow

10. Interactivity Utilities

➢ hover:bg-{color}: Changes the background color on hover.

Example: hover:bg-blue-500 changes the background color to blue on hover.

➢ focus:outline-none: Removes the default focus outline.

➢ cursor-{type}: Changes the cursor type.

Example: cursor-pointer changes the cursor to a pointer.

11. Responsive Design

➢ sm:: Small screens (min-width: 640px)

Example: sm:text-lg sets font size to 1.125rem on screens 640px and up.

➢ md:: Medium screens (min-width: 768px)

Example: md:flex enables flexbox on screens 768px and up.

➢ lg:: Large screens (min-width: 1024px)

Example: lg:grid-cols-3 creates a 3-column grid on screens 1024px and up.

➢ xl:: Extra-large screens (min-width: 1280px)

Example: xl:rounded-full applies full rounding on screens 1280px and up.

➢ 2xl:: Double extra-large screens (min-width: 1536px)

Example: 2xl:shadow-xl adds an extra-large shadow on screens 1536px and up.

<div class="p-2 sm:p-4 md:p-6 lg:p-8"> increases padding as screen size grows.