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A practical TailwindCSS cheatsheet mapping popular utilities to their raw CSS. Organized by category with defaults from the base Tailwind config.

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# TailwindCSS Cheatsheet

Everything tailwind related



## TailwindCSS Cheatsheet — Class → CSS Equivalent

- > This cheatsheet maps common Tailwind classes to **raw CSS** using the **default Tailwind config** (the standard spacing scale, font sizes, shadows, etc.).
  - > If you've customized your theme, values may differ.
- 



## Layout & Display

1	<code>.block</code>	-> <code>display: block;</code>
2	<code>.inline</code>	-> <code>display: inline;</code>
3	<code>.inline-block</code>	-> <code>display: inline-block;</code>
4	<code>.flex</code>	-> <code>display: flex;</code>
5	<code>.inline-flex</code>	-> <code>display: inline-flex;</code>
6	<code>.grid</code>	-> <code>display: grid;</code>
7	<code>.hidden</code>	-> <code>display: none;</code>
8		
9	<code>.visible</code>	-> <code>visibility: visible;</code>
10	<code>.invisible</code>	-> <code>visibility: hidden;</code>
11		
12	<code>.overflow-hidden</code>	-> <code>overflow: hidden;</code>
13	<code>.overflow-auto</code>	-> <code>overflow: auto;</code>
14	<code>.overflow-scroll</code>	-> <code>overflow: scroll;</code>
15	<code>.overflow-x-auto</code>	-> <code>overflow-x: auto;</code>
16	<code>.overflow-y-auto</code>	-> <code>overflow-y: auto;</code>

## Positioning

1	<code>.static</code>	-> <code>position: static;</code>
2	<code>.relative</code>	-> <code>position: relative;</code>
3	<code>.absolute</code>	-> <code>position: absolute;</code>
4	<code>.fixed</code>	-> <code>position: fixed;</code>
5	<code>.sticky</code>	-> <code>position: sticky;</code>
6		

```
7  .inset-0          -> top: 0; right: 0; bottom: 0; left: 0;
8  .inset-x-0        -> left: 0; right: 0;
9  .inset-y-0        -> top: 0; bottom: 0;
10 .top-0            -> top: 0;
11 .right-0          -> right: 0;
12 .bottom-0         -> bottom: 0;
13 .left-0           -> left: 0;
14
15 /* Common offsets (Tailwind spacing scale) */
16 .top-1             -> top: 0.25rem;      /* 4px */
17 .top-2             -> top: 0.5rem;       /* 8px */
18 .top-4             -> top: 1rem;         /* 16px */
19 .top-8             -> top: 2rem;         /* 32px */
20
21 .z-0               -> z-index: 0;
22 .z-10              -> z-index: 10;
23 .z-20              -> z-index: 20;
24 .z-30              -> z-index: 30;
25 .z-40              -> z-index: 40;
26 .z-50              -> z-index: 50;
27 .z-auto            -> z-index: auto;
```

---



## Spacing (Margin & Padding)

Tailwind spacing scale (selected):

0 -> 0 , px -> 1px , 0.5 -> 0.125rem , 1 -> 0.25rem , 1.5 -> 0.375rem , 2 -> 0.5rem ,  
2.5 -> 0.625rem , 3 -> 0.75rem , 3.5 -> 0.875rem , 4 -> 1rem , 5 -> 1.25rem , 6 ->  
1.5rem , 8 -> 2rem , 10 -> 2.5rem , 12 -> 3rem , 16 -> 4rem , 20 -> 5rem , 24 -> 6rem ,  
32 -> 8rem .

```
1 /* Margin (all sides) */
2 .m-0          -> margin: 0;
3 .m-px         -> margin: 1px;
4 .m-4          -> margin: 1rem;
5
6 /* Margin (axis) */
```

```
7  .mx-4          -> margin-left: 1rem; margin-right: 1rem;
8  .my-2          -> margin-top: 0.5rem; margin-bottom: 0.5rem;
9
10 /* Margin (sides) */
11 .mt-6          -> margin-top: 1.5rem;
12 .mr-3          -> margin-right: 0.75rem;
13 .mb-8          -> margin-bottom: 2rem;
14 .ml-1.5        -> margin-left: 0.375rem;
15
16 /* Auto centering */
17 .mx-auto       -> margin-left: auto; margin-right: auto;
18
19 /* Negative margins */
20 .-mt-4         -> margin-top: -1rem;
21
22 /* Padding mirrors margin */
23 .p-4           -> padding: 1rem;
24 .px-6          -> padding-left: 1.5rem; padding-right: 1.5rem;
25 .py-2.5        -> padding-top: 0.625rem; padding-bottom: 0.625rem;
26 .pt-3          -> padding-top: 0.75rem;
```

---

## Flexbox

```
1  .flex-row       -> flex-direction: row;
2  .flex-row-reverse -> flex-direction: row-reverse;
3  .flex-col       -> flex-direction: column;
4  .flex-col-reverse -> flex-direction: column-reverse;
5
6  .flex-wrap      -> flex-wrap: wrap;
7  .flex-nowrap    -> flex-wrap: nowrap;
8  .flex-wrap-reverse -> flex-wrap: wrap-reverse;
9
10 .items-start    -> align-items: flex-start;
11 .items-center   -> align-items: center;
12 .items-end      -> align-items: flex-end;
13 .items-stretch  -> align-items: stretch;
14 .items-baseline -> align-items: baseline;
15
16 .justify-start  -> justify-content: flex-start;
```

```
17 .justify-center      -> justify-content: center;
18 .justify-end         -> justify-content: flex-end;
19 .justify-between     -> justify-content: space-between;
20 .justify-around      -> justify-content: space-around;
21 .justify-evenly      -> justify-content: space-evenly;
22
23 .content-start       -> align-content: flex-start;
24 .content-center      -> align-content: center;
25 .content-end         -> align-content: flex-end;
26 .content-between     -> align-content: space-between;
27 .content-around      -> align-content: space-around;
28 .content-evenly      -> align-content: space-evenly;
29
30 .gap-0               -> gap: 0;
31 .gap-2               -> gap: 0.5rem;
32 .gap-4               -> gap: 1rem;
33 .gap-x-6             -> column-gap: 1.5rem;
34 .gap-y-3             -> row-gap: 0.75rem;
35
36 .self-auto           -> align-self: auto;
37 .self-start          -> align-self: flex-start;
38 .self-center         -> align-self: center;
39 .self-end            -> align-self: flex-end;
40 .self-stretch        -> align-self: stretch;
41
42 .flex-1              -> flex: 1 1 0%;
43 .flex-auto           -> flex: 1 1 auto;
44 .flex-initial        -> flex: 0 1 auto;
45 .flex-none           -> flex: none;
46
47 .grow                -> flex-grow: 1;
48 .grow-0              -> flex-grow: 0;
49 .shrink              -> flex-shrink: 1;
50 .shrink-0            -> flex-shrink: 0;
51
52 .order-first         -> order: -9999;
53 .order-last          -> order: 9999;
54 .order-none          -> order: 0;
55 .order-1             -> order: 1;
```

**Grid**

```

1 .grid-cols-1      -> grid-template-columns: repeat(1, minmax(0, 1fr));
2 .grid-cols-2      -> grid-template-columns: repeat(2, minmax(0, 1fr));
3 .grid-cols-3      -> grid-template-columns: repeat(3, minmax(0, 1fr));
4 .grid-cols-12     -> grid-template-columns: repeat(12, minmax(0, 1fr));
5
6 .col-span-1       -> grid-column: span 1 / span 1;
7 .col-span-3       -> grid-column: span 3 / span 3;
8 .col-start-2      -> grid-column-start: 2;
9 .col-end-4        -> grid-column-end: 4;
10
11 .grid-rows-3      -> grid-template-rows: repeat(3, minmax(0, 1fr));
12 .row-span-2       -> grid-row: span 2 / span 2;
13
14 .gap-4            -> gap: 1rem;
15 .gap-x-8          -> column-gap: 2rem;
16 .gap-y-2          -> row-gap: 0.5rem;
17
18 .place-items-center -> place-items: center;
19 .place-content-center -> place-content: center;

```

---



## Sizing

```

1 /* Width */
2 .w-0              -> width: 0;
3 .w-px             -> width: 1px;
4 .w-4              -> width: 1rem;
5 .w-10             -> width: 2.5rem;
6 .w-1/2            -> width: 50%;
7 .w-1/3            -> width: 33.333333%;
8 .w-2/3            -> width: 66.666667%;
9 .w-1/4            -> width: 25%;
10 .w-3/4            -> width: 75%;
11 .w-full           -> width: 100%;
12 .w-screen         -> width: 100vw;
13 .max-w-xs         -> max-width: 20rem;      /* 320px */
14 .max-w-sm         -> max-width: 24rem;      /* 384px */

```

```

15 .max-w-md      -> max-width: 28rem;      /* 448px */
16 .max-w-lg      -> max-width: 32rem;      /* 512px */
17 .max-w-xl      -> max-width: 36rem;      /* 576px */
18 .max-w-2xl     -> max-width: 42rem;      /* 672px */
19 .max-w-4xl     -> max-width: 56rem;      /* 896px */
20 .max-w-7xl     -> max-width: 80rem;      /* 1280px */
21
22 /* Height */
23 .h-0            -> height: 0;
24 .h-px          -> height: 1px;
25 .h-4           -> height: 1rem;
26 .h-10          -> height: 2.5rem;
27 .h-full        -> height: 100%;
28 .h-screen      -> height: 100vh;
29 .min-h-screen  -> min-height: 100vh;

```

---

## abc Typography

Font sizes (default scale):

```

1 .text-xs      -> font-size: 0.75rem; line-height: 1rem;
2 .text-sm      -> font-size: 0.875rem; line-height: 1.25rem;
3 .text-base    -> font-size: 1rem; line-height: 1.5rem;
4 .text-lg      -> font-size: 1.125rem; line-height: 1.75rem;
5 .text-xl      -> font-size: 1.25rem; line-height: 1.75rem;
6 .text-2xl     -> font-size: 1.5rem; line-height: 2rem;
7 .text-3xl     -> font-size: 1.875rem; line-height: 2.25rem;
8 .text-4xl     -> font-size: 2.25rem; line-height: 2.5rem;
9 .text-5xl     -> font-size: 3rem; line-height: 1;
10 .text-6xl    -> font-size: 3.75rem; line-height: 1;

```

Weights, style, alignment:

```
1  .font-light      -> font-weight: 300;
2  .font-normal     -> font-weight: 400;
3  .font-medium     -> font-weight: 500;
4  .font-semibold   -> font-weight: 600;
5  .font-bold       -> font-weight: 700;
6
7  .italic           -> font-style: italic;
8  .not-italic       -> font-style: normal;
9
10 .text-left        -> text-align: left;
11 .text-center       -> text-align: center;
12 .text-right        -> text-align: right;
13 .text-justify       -> text-align: justify;
14
15 /* Line-height */
16 .leading-none       -> line-height: 1;
17 .leading-tight      -> line-height: 1.25;
18 .leading-snug       -> line-height: 1.375;
19 .leading-normal     -> line-height: 1.5;
20 .leading-relaxed    -> line-height: 1.625;
21 .leading-loose      -> line-height: 2;
22
23 /* Letter-spacing */
24 .tracking-tighter    -> letter-spacing: -0.05em;
25 .tracking-tight      -> letter-spacing: -0.025em;
26 .tracking-normal     -> letter-spacing: 0;
27 .tracking-wide       -> letter-spacing: 0.025em;
28 .tracking-wider      -> letter-spacing: 0.05em;
29 .tracking-widest     -> letter-spacing: 0.1em;
```

## Colors (examples from default palette):

```
1  .text-black       -> color: #000000;
2  .text-white        -> color: #ffffff;
3  .text-gray-500     -> color: #6b7280;
4  .text-slate-700    -> color: #334155;
5  .text-blue-500     -> color: #3b82f6;
6  .text-emerald-600  -> color: #059669;
7
8  .bg-white          -> background-color: #ffffff;
9  .bg-gray-100       -> background-color: #f3f4f6;
10 .bg-slate-900      -> background-color: #0f172a;
11 .bg-blue-600       -> background-color: #2563eb;
```



```

12 .bg-rose-500      -> background-color: #f43f5e;
13
14 .decoration-sky-500 -> text-decoration-color: #0ea5e9;
15 .underline         -> text-decoration-line: underline;
16 .no-underline       -> text-decoration-line: none;

```

---



## Borders & Radius

```

1  .border            -> border-width: 1px;
2  .border-0          -> border-width: 0;
3  .border-2          -> border-width: 2px;
4  .border-4          -> border-width: 4px;
5  .border-t          -> border-top-width: 1px;
6  .border-x-2        -> border-left-width: 2px; border-right-width: 2px;
7
8  .border-solid       -> border-style: solid;
9  .border-dashed      -> border-style: dashed;
10 .border-dotted      -> border-style: dotted;
11
12 .border-gray-200    -> border-color: #e5e7eb;
13 .border-slate-700   -> border-color: #334155;
14 .border-blue-500    -> border-color: #3b82f6;
15
16 /* Radius */
17 .rounded-none        -> border-radius: 0;
18 .rounded-sm          -> border-radius: 0.125rem;
19 .rounded             -> border-radius: 0.25rem;
20 .rounded-md          -> border-radius: 0.375rem;
21 .rounded-lg          -> border-radius: 0.5rem;
22 .rounded-xl          -> border-radius: 0.75rem;
23 .rounded-2xl         -> border-radius: 1rem;
24 .rounded-3xl         -> border-radius: 1.5rem;
25 .rounded-full        -> border-radius: 9999px;
26 .rounded-t-lg        -> border-top-left-radius: 0.5rem; border-top-right-radius: 0.5rem;

```

---

## Shadows, Rings, Filters

Shadows (default set):

```

1  .shadow-sm          -> box-shadow: 0 1px 2px 0 rgb(0 0 0 / 0.05);
2  .shadow             -> box-shadow: 0 1px 3px 0 rgb(0 0 0 / 0.1), 0 1px 2px -1px rgb(0 0 0 / 0.05);
3  .shadow-md          -> box-shadow: 0 4px 6px -1px rgb(0 0 0 / 0.1), 0 2px 4px -2px rgb(0 0 0 / 0.05);
4  .shadow-lg          -> box-shadow: 0 10px 15px -3px rgb(0 0 0 / 0.1), 0 4px 6px -4px rgb(0 0 0 / 0.05);
5  .shadow-xl          -> box-shadow: 0 20px 25px -5px rgb(0 0 0 / 0.1), 0 8px 10px -6px rgb(0 0 0 / 0.05);
6  .shadow-2xl         -> box-shadow: 0 25px 50px -12px rgb(0 0 0 / 0.25);
7  .shadow-inner       -> box-shadow: inset 0 2px 4px 0 rgb(0 0 0 / 0.05);
8  .shadow-none        -> box-shadow: 0 0 #0000;
9
10 /* Rings */
11 .ring               -> box-shadow: 0 0 0 3px rgb(59 130 246 / 0.5); /* default ring
12 .ring-2             -> box-shadow: 0 0 0 2px currentColor;
13 .ring-4             -> box-shadow: 0 0 0 4px currentColor;
14 .ring-offset-2      -> box-shadow: 0 0 0 2px #fff, 0 0 0 calc(2px + var(--tw-ring-off
15
16 /* Filters */
17 .blur-sm            -> filter: blur(4px);
18 .blur               -> filter: blur(8px);
19 .blur-lg            -> filter: blur(16px);
20 .brightness-110     -> filter: brightness(1.1);
21 .contrast-125       -> filter: contrast(1.25);
22 .grayscale          -> filter: grayscale(100%);
23 .hue-rotate-60      -> filter: hue-rotate(60deg);
24 .saturate-150       -> filter: saturate(1.5);
25 .sepia              -> filter: sepia(100%);

```



## Transitions & Transforms

```

1  .transition          -> transition-property: color, background-color, border-color, te
2  .transition-colors    -> transition-property: color, background-color, border-color, te
3  .transition-opacity    -> transition-property: opacity;
4  .duration-75          -> transition-duration: 75ms;
5  .duration-150         -> transition-duration: 150ms;
6  .duration-300         -> transition-duration: 300ms;
7  .ease-linear          -> transition-timing-function: linear;
8  .ease-in              -> transition-timing-function: cubic-bezier(0.4, 0, 1, 1);
9  .ease-out              -> transition-timing-function: cubic-bezier(0, 0, 0.2, 1);
10 .ease-in-out          -> transition-timing-function: cubic-bezier(0.4, 0, 0.2, 1);
11
12 .transform            -> transform: translate(var(--tw-translate-x,0), var(--tw-transla
13 .scale-50              -> --tw-scale-x: .5; --tw-scale-y: .5; transform: ...;
14 .scale-95              -> --tw-scale-x: .95; --tw-scale-y: .95; transform: ...;
15 .scale-100             -> --tw-scale-x: 1; --tw-scale-y: 1; transform: ...;
16 .rotate-45             -> --tw-rotate: 45deg; transform: ...;
17 .-rotate-12            -> --tw-rotate: -12deg; transform: ...;
18 .translate-x-4         -> --tw-translate-x: 1rem; transform: ...;
19 .-translate-y-1/2      -> --tw-translate-y: -50%; transform: ...;

```



## Opacity, Cursor, Pointer Events, Select

```

1  .opacity-0           -> opacity: 0;
2  .opacity-50          -> opacity: 0.5;
3  .opacity-100         -> opacity: 1;
4
5  .cursor-pointer       -> cursor: pointer;
6  .cursor-not-allowed  -> cursor: not-allowed;
7
8  .pointer-events-none  -> pointer-events: none;
9  .pointer-events-auto  -> pointer-events: auto;
10
11 .select-none          -> user-select: none;
12 .select-text          -> user-select: text;

```



## Object Fit & Backgrounds

1	<code>.object-contain</code>	-> <code>object-fit: contain;</code>
2	<code>.object-cover</code>	-> <code>object-fit: cover;</code>
3	<code>.object-center</code>	-> <code>object-position: center;</code>
4	<code>.object-left</code>	-> <code>object-position: left;</code>
5		
6	<code>.bg-fixed</code>	-> <code>background-attachment: fixed;</code>
7	<code>.bg-local</code>	-> <code>background-attachment: local;</code>
8	<code>.bg-scroll</code>	-> <code>background-attachment: scroll;</code>
9		
10	<code>.bg-center</code>	-> <code>background-position: center;</code>
11	<code>.bg-top</code>	-> <code>background-position: top;</code>
12	<code>.bg-bottom</code>	-> <code>background-position: bottom;</code>
13		
14	<code>.bg-no-repeat</code>	-> <code>background-repeat: no-repeat;</code>
15	<code>.bg-repeat-x</code>	-> <code>background-repeat: repeat-x;</code>
16		
17	<code>.bg-contain</code>	-> <code>background-size: contain;</code>
18	<code>.bg-cover</code>	-> <code>background-size: cover;</code>
19		
20	<code>.bg-gradient-to-r</code>	-> <code>background-image: linear-gradient(to right, var(--tw-gradient-</code>
21	<code>.from-blue-500</code>	-> <code>--tw-gradient-from: #3b82f6; --tw-gradient-to: rgb(59 130 246</code>
22	<code>.via-purple-500</code>	-> <code>--tw-gradient-via: #a855f7;</code>
23	<code>.to-pink-500</code>	-> <code>--tw-gradient-to: #ec4899;</code>



## Lists, Tables, Misc

1	<code>.list-disc</code>	-> <code>list-style-type: disc;</code>
2	<code>.list-decimal</code>	-> <code>list-style-type: decimal;</code>
3	<code>.list-none</code>	-> <code>list-style-type: none;</code>

```
4
5 .table                -> display: table;
6 .table-fixed          -> table-layout: fixed;
7 .border-collapse      -> border-collapse: collapse;
8 .border-separate      -> border-collapse: separate;
9
10 .align-top            -> vertical-align: top;
11 .align-middle         -> vertical-align: middle;
12 .align-bottom        -> vertical-align: bottom;
13
14 .shadow-none          -> box-shadow: 0 0 #0000;
15 .outline-none         -> outline: 2px solid transparent; outline-offset: 2px;
```

---

## Responsive & State Variants (How to read them)

Responsive prefixes generate media queries using default breakpoints:

```
1 /* Example: md:text-lg */
2 @media (min-width: 768px) {
3   .md\:text-lg { font-size: 1.125rem; line-height: 1.75rem; }
4 }
```

State variants:

```
1 /* Example: hover:bg-blue-600 */
2 .button:hover { background-color: #2563eb; }
3
4 /* Example: focus:ring */
5 .input:focus { box-shadow: 0 0 0 3px rgb(59 130 246 / 0.5); }
```

## Quick Recipes

```

1  /* Center a div */
2  .flex.items-center.justify-center -> display: flex; align-items: center; justify-conter
3
4  /* Card */
5  .rounded-lg.shadow-md.p-6.bg-white -> border-radius: 0.5rem; box-shadow: 0 4px 6px -1px
6
7  /* Responsive grid */
8  .grid.grid-cols-1.md\:grid-cols-2.lg\:grid-cols-3.gap-6 ->
9    display: grid;
10   grid-template-columns: repeat(1, minmax(0, 1fr));
11   gap: 1.5rem;
12  @media (min-width: 768px) { grid-template-columns: repeat(2, minmax(0, 1fr)); }
13  @media (min-width: 1024px) { grid-template-columns: repeat(3, minmax(0, 1fr)); }

```

## Notes

- Values shown reflect the default Tailwind theme. If you've customized your `tailwind.config`, your CSS equivalents will match your theme values.
- Many utilities set CSS custom properties that compose into one `transform` or `filter`. The important part is the **resulting effect** shown here.
- Color utilities map to fixed hex values in the default palette. Only a representative set is listed to keep this cheat practical.

Happy styling!

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