

[← Back to Articles](#)[TailwindCSS](#) [CSS](#) [Frontend](#) [UI](#) [Reference](#)

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

Positioning

```
1 .static         -> position: static;
2 .relative       -> position: relative;
3 .absolute       -> position: absolute;
4 .fixed          -> position: fixed;
5 .sticky         -> position: sticky;
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  .flexnowrap      -> 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;

```



```

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: 0.5re
```



✨ 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 / 0.1);
3  .shadow-md          -> box-shadow: 0 4px 6px -1px rgb(0 0 0 / 0.1), 0 2px 4px -2px rgb(0 0 0 / 0.1);
4  .shadow-lg          -> box-shadow: 0 10px 15px -3px rgb(0 0 0 / 0.1), 0 4px 6px -4px rgb(0 0 0 / 0.1);
5  .shadow-xl          -> box-shadow: 0 20px 25px -5px rgb(0 0 0 / 0.1), 0 8px 10px -6px rgb(0 0 0 / 0.1);
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-offset-size) * 2) 0 0 0 1px currentColor;
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, transform;
2 .transition-colors -> transition-property: color, background-color, border-color, transform;
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-translate-y,0), var(--tw-rotate,0deg), var(--tw-skew-x,0deg), var(--tw-skew-y,0deg), var(--tw-scale-x,.5), var(--tw-scale-y,.5));
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 .object-contain      -> object-fit: contain;
2 .object-cover        -> object-fit: cover;
3 .object-center       -> object-position: center;
4 .object-left         -> object-position: left;
5
6 .bg-fixed            -> background-attachment: fixed;
7 .bg-local             -> background-attachment: local;
8 .bg-scroll            -> background-attachment: scroll;
9
10 .bg-center           -> background-position: center;
11 .bg-top               -> background-position: top;
12 .bg-bottom             -> background-position: bottom;
13
14 .bg-no-repeat         -> background-repeat: no-repeat;
15 .bg-repeat-x          -> background-repeat: repeat-x;
16
17 .bg-contain           -> background-size: contain;
18 .bg-cover              -> background-size: cover;
19
20 .bg-gradient-to-r     -> background-image: linear-gradient(to right, var(--tw-gradient-);
21 .from-blue-500          -> --tw-gradient-from: #3b82f6; --tw-gradient-to: rgb(59 130 246
22 .via-purple-500          -> --tw-gradient-via: #a855f7;
23 .to-pink-500            -> --tw-gradient-to: #ec4899;

```




Lists, Tables, Misc

```

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

```

```

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-content: center;
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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