Tailwind CSS

TYPOGRAPHY & TEXT

Essential text and typography utility classes • Tailwind CSS v4

Font Size

Control the size of text.

text-xs	The quick brown fox
text-sm	The quick brown fox
text-base	The quick brown fox
text-lg	The quick brown fox
text-xl	The quick brown fox
text-2xl	The quick brown fox
text-3xl	The quick brown fox
text-4xl	The quick brown fox

Font Weight

Control how bold the text appears.

font-thin	The quick brown fox
font-light	The quick brown fox
font-normal	The quick brown fox
font-medium	The quick brown fox
font-semibold	The quick brown fox
font-bold	The quick brown fox
font-extrabold	The quick brown fox
font-black	The quick brown fox

Text Color

Set the color of text.

text-gray-500	The quick brown fox
text-blue-500	The quick brown fox
text-emerald-500	The quick brown fox
text-red-500	The quick brown fox
text-amber-500	The quick brown fox
text-purple-500	The quick brown fox

Text Alignment

Align text horizontally.

text-left	The quick brown fox
text-center	The quick brown fox
text-right	The quick brown fox
text-justify	The quick brown fox jumps over the lazy dog. Tailwind CSS makes styling easy and consistent.

Text Style

Change the style of text.

italic	*The quick brown fox*
not-italic	The quick brown fox
underline	The quick brown fox
line-through	~~The quick brown fox~~
no-underline	The quick brown fox

Text Transform

Transform the text casing.

uppercase	THE QUICK BROWN FOX
lowercase	the quick brown fox
capitalize	The Quick Brown Fox
normal-case	The quick brown fox

Text Decoration

Add decoration to text.

underline	The quick brown fox
overline	The quick brown fox
line-through	~~The quick brown fox~~
no-underline	The quick brown fox

Text Spacing

Control letter and line spacing.

tracking-tighter	The quick brown fox
tracking-tight	The quick brown fox
tracking-normal	The quick brown fox
tracking-wide	The quick brown fox
tracking-wider	The quick brown fox

teading-none	Line 1 Line 2
leading-normal	Line 1 Line 2
leading-relaxed	Line 1 Line 2
leading-loose	Line 1 Line 2

Tailwind CSS

COLORS & BACKGROUNDS

Essential color and background utility classes • Tailwind CSS v4

Text Colors

Set the color of text.

text-gray-500	The quick brown fox
text-blue-500	The quick brown fox
text-emerald-500	The quick brown fox
text-red-500	The quick brown fox
text-amber-500	The quick brown fox
text-purple-500	The quick brown fox

Background Colors

Set the background color of an element.

bg-gray-100	Gray Background
bg-blue-500	Blue Background
bg-emerald-500	Emerald Background
bg-red-500	Red Background
bg-amber-500	Amber Background
bg-purple-500	Purple Background

Text Background

Highlight text with a background color.

bg-blue-100	The quick brown fox
bg-emerald-100	The quick brown fox
bg-red-100	The quick brown fox
bg-amber-100	The quick brown fox
bg-purple-100	The quick brown fox

Opacity

Control the transparency of a color.

bg-blue-500/100	100% (opaque)
bg-blue-500/75	75%
bg-blue-500/50	50%
bg-blue-500/25	25%
bg-blue-500/10	10%

Gradient Backgrounds

Create gradient backgrounds.

bg-gradient-to-r	from-purple-500 to-pink-500
bg-gradient-to-l	from-blue-500 to-cyan-500
bg-gradient-to-t	from-pink-500 to-orange-500
bg-gradient-to-b	from-emerald-500 to-teal-500
bg-gradient-to-br	from-indigo-500 to-purple-500

Background Image

Add images to the background.

bg-none
bg-cover
bg-contain
bg-center
bg-repeat
bg-no-repeat

Background Position

Control the position of a background image.


bg-top


bg-center


bg-bottom


bg-left


bg-right


bg-[x%_y%]

Background Size

Control the size of a background image.

bg-auto
bg-cover
bg-contain
bg-[length]
bg-[length_x_length]


bg-auto


bg-cover


bg-contain


bg-[200px_100px]

Tailwind CSS

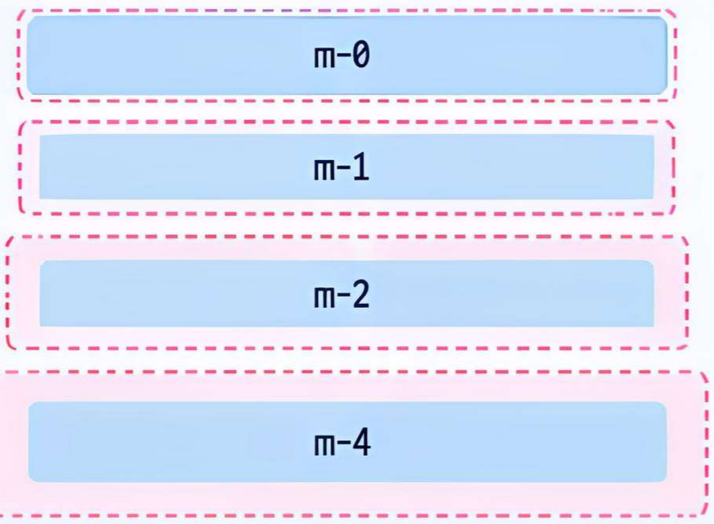
MARGIN, PADDING & SPACING

Essential spacing utility classes • Tailwind CSS v4

Margin (All Sides)

Add space outside an element.

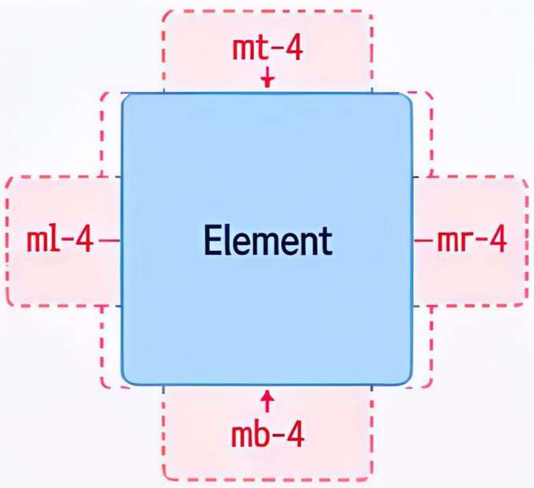
m-0
m-1
m-2
m-4
m-8
m-auto



Margin (Individual Sides)

Add margin to a specific side.

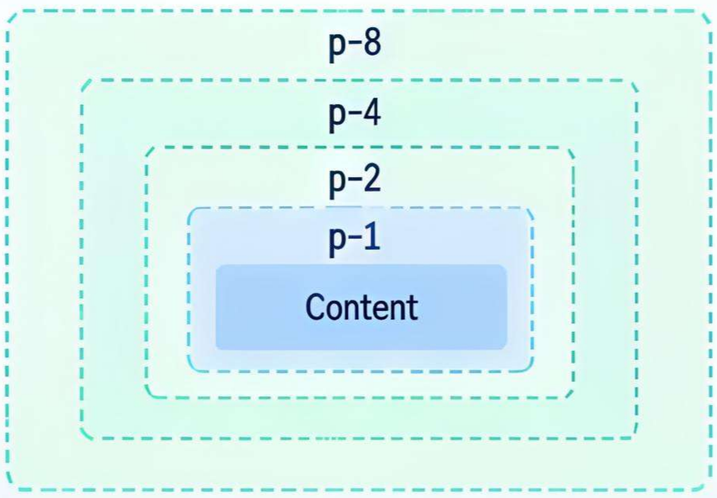
mt-4	margin-top
mr-4	margin-right
mb-4	margin-bottom
ml-4	margin-left
mx-4	margin-left & right
my-4	margin-top & bottom



Padding (All Sides)

Add space inside an element.

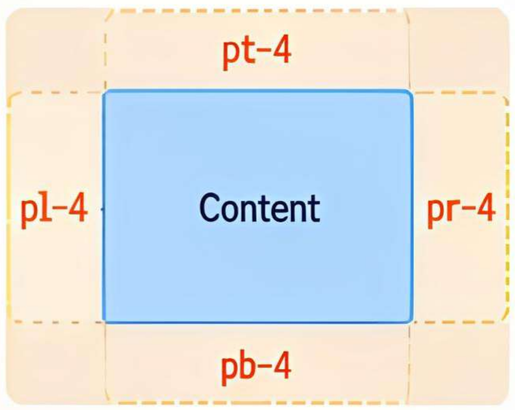
p-0
p-1
p-2
p-4
p-8



Padding (Individual Sides)

Add padding to a specific side.

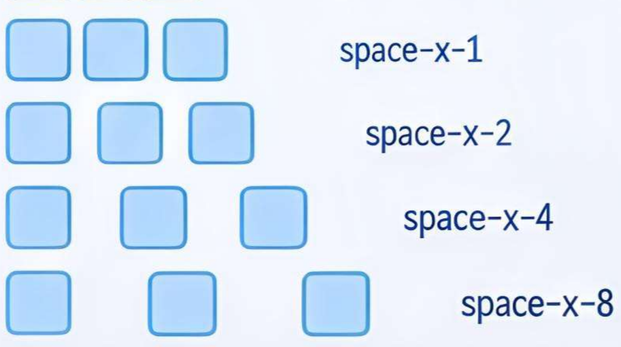
pt-4	padding-top
pr-4	padding-right
pb-4	padding-bottom
pl-4	padding-left
px-4	padding-left & right
py-4	padding-top & bottom



Space Between Items (X Axis)

Add horizontal space between child elements.

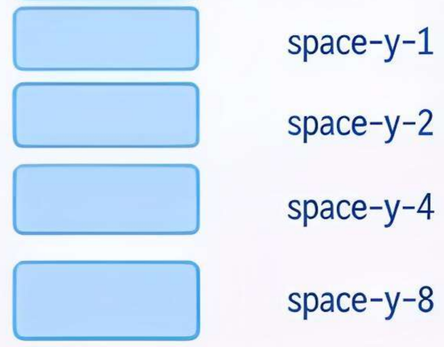
space-x-0
space-x-1
space-x-2
space-x-4
space-x-8



Space Between Items (Y Axis)

Add vertical space between child elements.

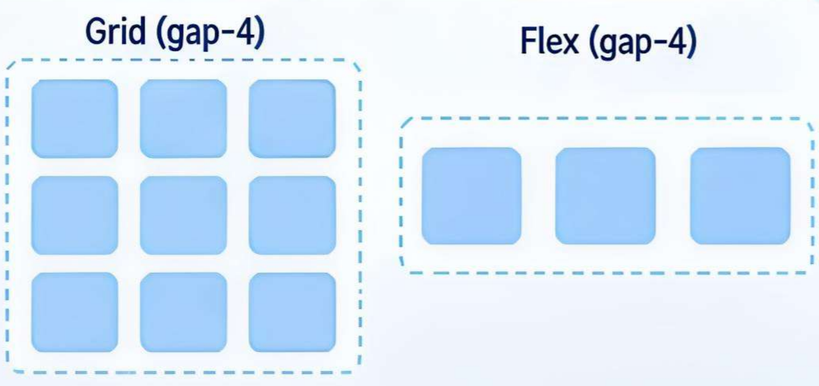
space-y-0
space-y-1
space-y-2
space-y-4
space-y-8



Gap (Grid & Flex)

Add space between rows and columns.

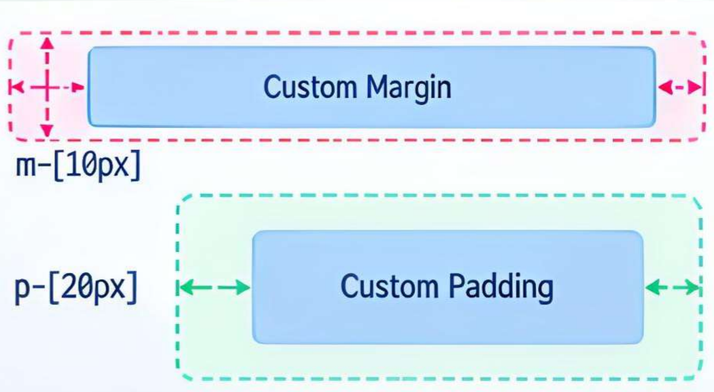
gap-0
gap-2
gap-4
gap-6
gap-8



Arbitrary Values

Use custom spacing values.

m-[10px]
p-[20px]
mt-[2.5rem]
px-[3rem]
gap-[30px]



Tailwind CSS

FLEXBOX & ALIGNMENT

Essential flexbox utility classes • Tailwind CSS v4

Display Flex

Create a flex container.

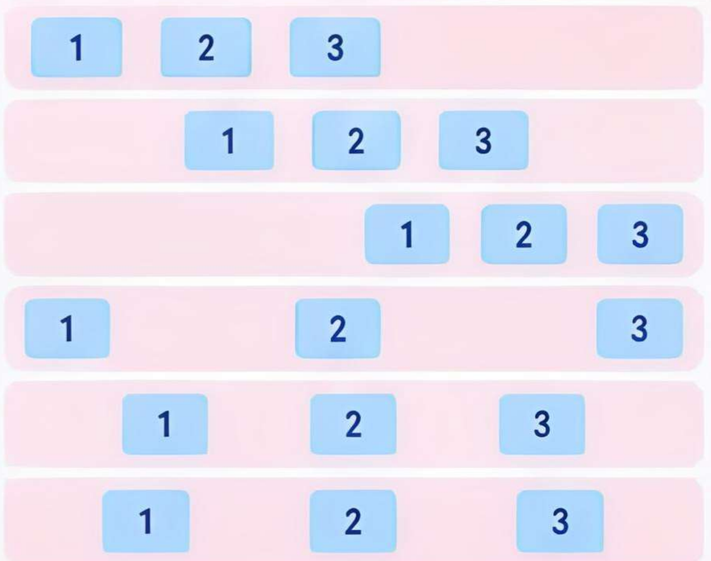
- flex
- inline-flex
- flex-row
- flex-col
- flex-row-reverse
- flex-col-reverse



Justify Content

Align items along the main axis (horizontal).

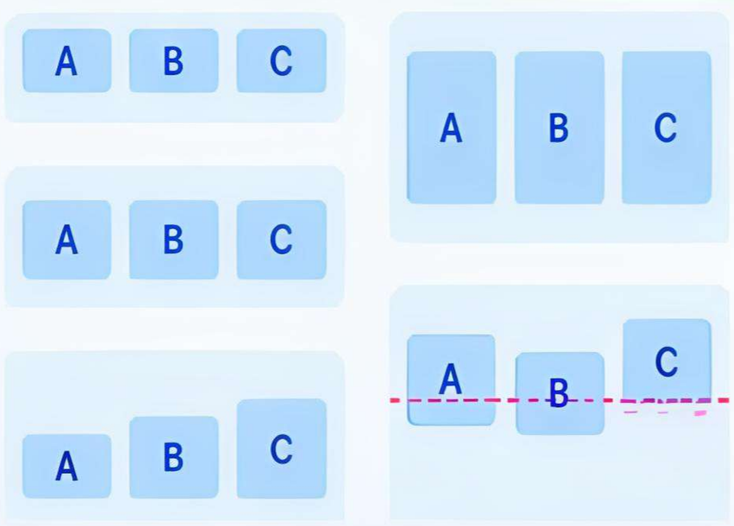
- justify-start
- justify-center
- justify-end
- justify-between
- justify-around
- justify-evenly



Align Items

Align items along the cross axis (vertical).

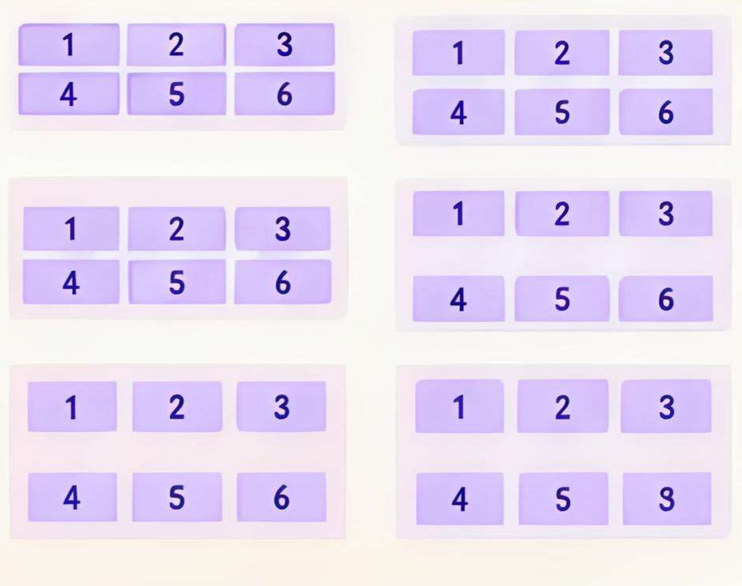
- items-start
- items-center
- items-end
- items-stretch
- items-baseline



Align Content

Align multiple lines (when items wrap).

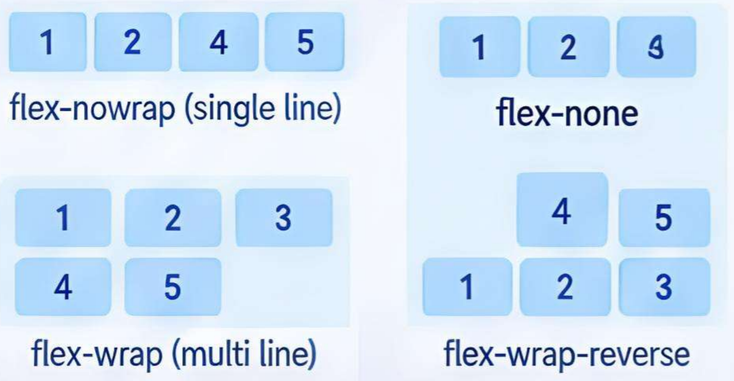
- content-start
- content-center
- content-end
- content-between
- content-around
- content-evenly



Flex Wrap

Control whether items wrap to multiple lines.

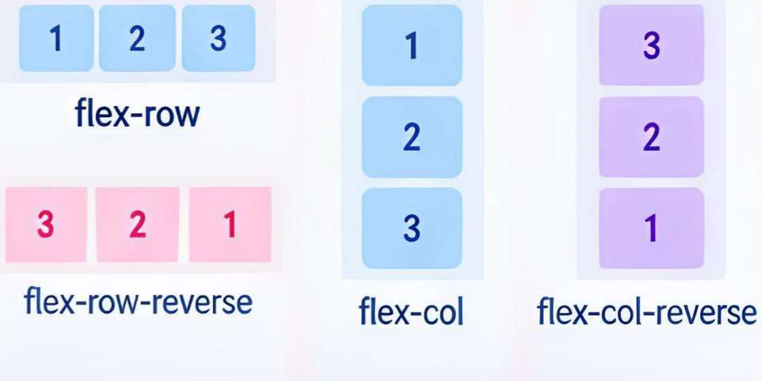
- flex-nowrap
- flex-wrap
- flex-wrap-reverse



Flex Direction (Main Axis)

Change the direction of flex items.

- flex-row
- flex-row-reverse
- flex-col
- flex-col-reverse



Flex Grow, Shrink & Basis

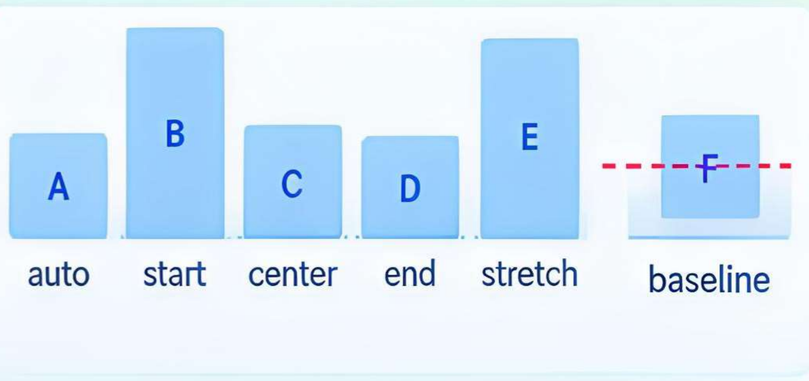
Control how items grow, shrink, and set the initial size.

flex-1	1	1	1	flex-1 (equal width)
flex-auto	Auto	Auto	Auto	flex-auto
flex-initial	Initial	Initial	Initial	flex-initial
flex-none	Fixed	Fixed	Fixed	flex-none

Align Self

Override alignment for a single item.

- self-auto
- self-start
- self-center
- self-end
- self-stretch
- self-baseline



Tailwind CSS

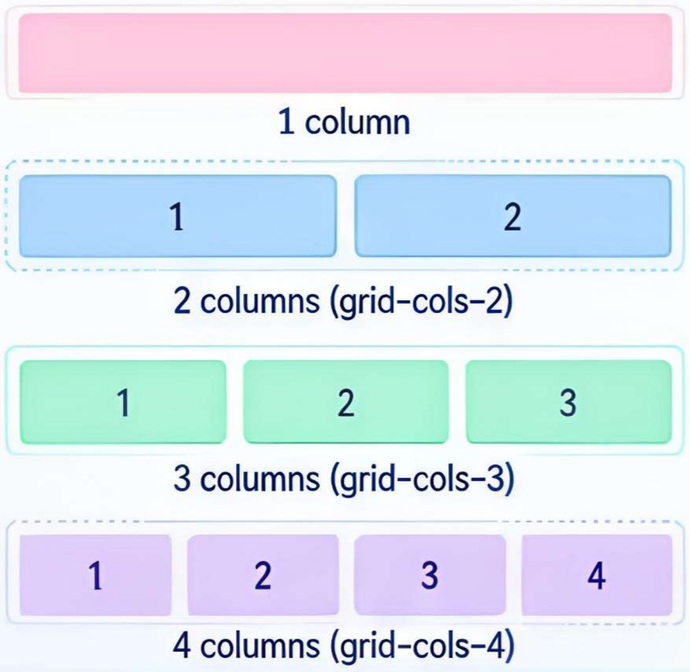
GRID & LAYOUT

Essential grid and layout utility classes • Tailwind CSS v4

Grid Container

Create a grid layout.

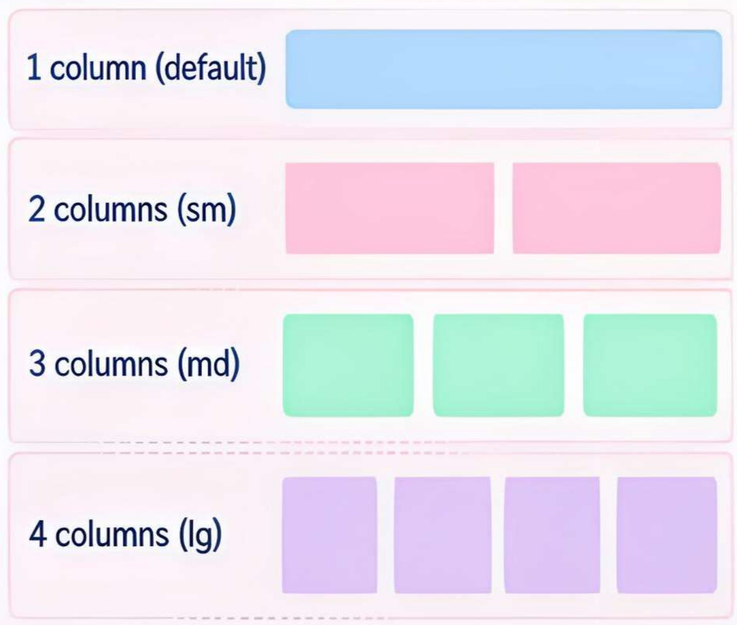
- grid
- inline-grid
- grid-cols-1
- grid-cols-2
- grid-cols-3
- grid-cols-4
- grid-cols-12
- grid-flow-row
- grid-flow-col
- grid-flow-dense



Responsive Columns

Change columns at different screen sizes.

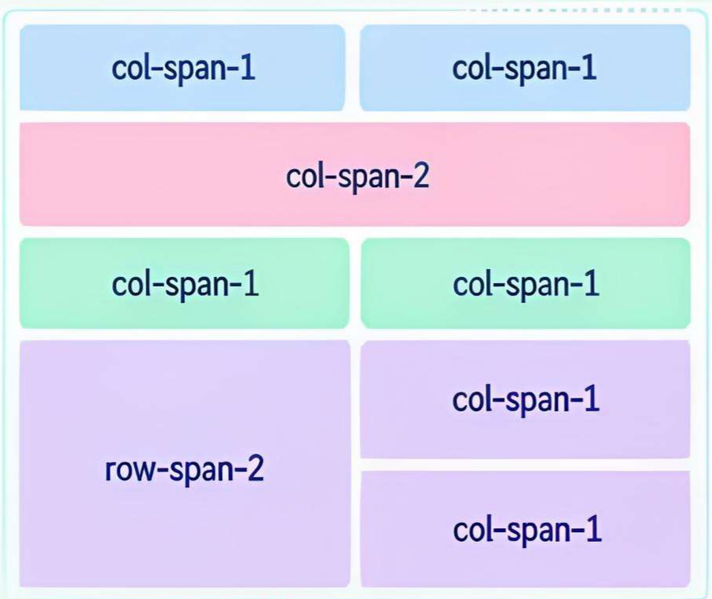
- grid-cols-1
- sm:grid-cols-2
- md:grid-cols-3
- lg:grid-cols-4
- xl:grid-cols-6
- 2xl:grid-cols-8



Column & Row Span

Make an item span multiple columns or rows.

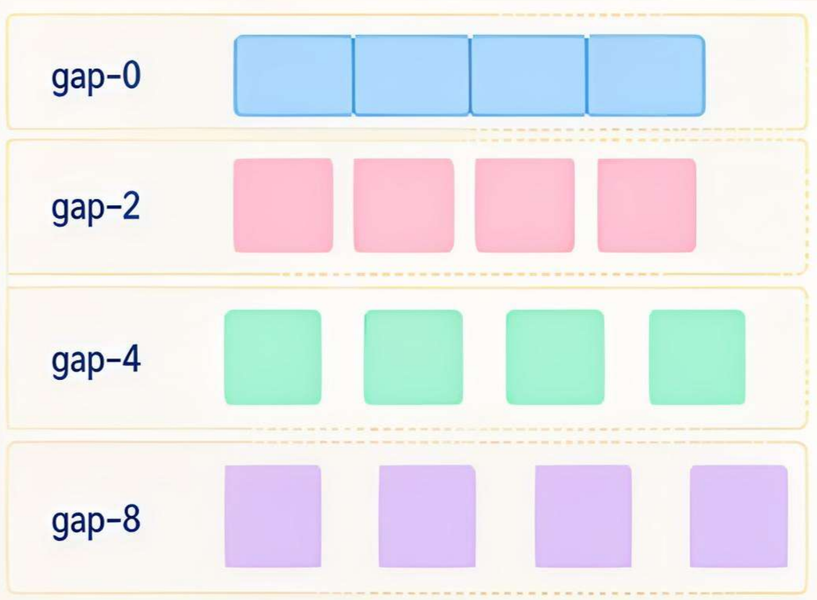
- col-span-1
- col-span-2
- col-span-3
- col-span-4
- col-span-full
- row-span-1
- row-span-2
- row-span-3
- row-span-full



Gap Between Items

Set the space between grid items.

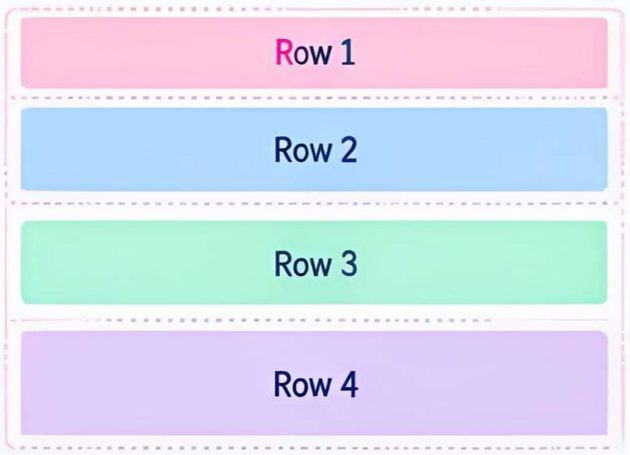
- gap-0
- gap-1
- gap-2
- gap-4
- gap-6
- gap-8
- gap-x-4
- gap-y-4



Grid Rows

Control the number and size of rows.

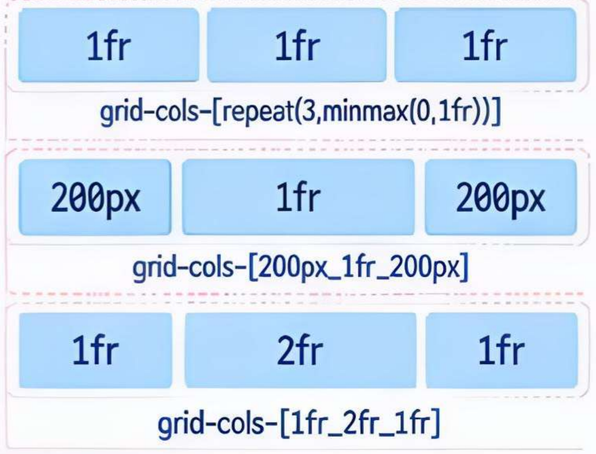
- grid-rows-1
- grid-rows-2
- grid-rows-3
- grid-rows-4
- grid-rows-6
- grid-rows-[auto]
- grid-rows-[minmax(0,1fr)]



Grid Columns (Custom)

Define custom column sizes.

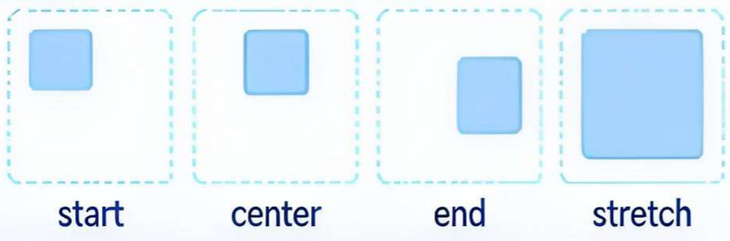
- grid-cols-none
- grid-cols-[repeat(3,minmax(0,1fr))]
- grid-cols-[200px_1fr_200px]
- grid-cols-[1fr_2fr_1fr]
- grid-cols-[auto_auto_auto]



Place Items

Align items in both directions (shorthand).

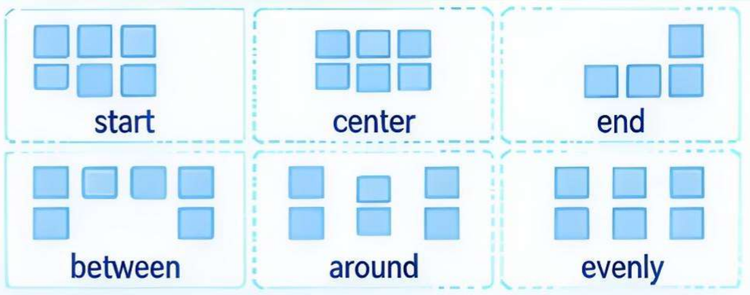
- place-items-start
- place-items-center
- place-items-end
- place-items-stretch



Place Content

Align the entire grid within the container.

- place-content-start
- place-content-center
- place-content-end
- place-content-between
- place-content-around
- place-content-evenly



Tailwind CSS

WIDTH, HEIGHT & SIZING

Essential sizing utility classes • Tailwind CSS v4

Width (Fixed Sizes)

Set a fixed width for an element.

w-0	w-0 (0px)
w-px	w-px (1px)
w-1	w-1 (0.25rem)
w-2	w-2 (0.5rem)
w-4	w-4 (1rem)
w-8	w-8 (2rem)
w-16	w-16 (4rem)
w-32	w-32 (8rem)
w-64	w-64 (16rem)
w-auto	w-auto (auto width) — Auto Width

Width (Percentages & Full)

Set width using percentage or full width.

w-1/4	25% (w-1/4)
w-1/3	33.33% (w-1/3)
w-1/2	50% (w-1/2)
w-2/3	66.67% (w-2/3)
w-3/4	75% (w-3/4)
w-full	100% (w-full)
w-screen	Full Screen Width (w-screen)
max-w-sm	max-w-sm (24rem)
max-w-md	max-w-md (28rem)
max-w-lg	max-w-lg (32rem)
max-w-xl	max-w-xl (36rem)
max-w-2xl	max-w-2xl (42rem)
max-w-4xl	max-w-4xl (56rem)
max-w-7xl	max-w-7xl (80rem)
max-w-full	max-w-full

Height (Fixed Sizes)

Set a fixed height for an element.

h-0 (0px) · h-px (1px) · h-1 (0.25rem) · h-2 (0.5rem) · h-4 (1rem) · h-8 (2rem) · h-16 (4rem) · h-32 (8rem) · h-64 (16rem) · h-auto (Auto Height)

Height (Percentages & Full)

Set height using percentage or full height.

h-1/4	25% h-1/4
h-1/2	50% h-1/2
h-3/4	75% h-3/4
h-full	100% h-fulll
h-screen	Full Screen Height (h-screen)
min-h-0	min-height: 0 (min-h-0)
min-h-screen	min-height: 100vh (min-h-screen)
max-h-40	max-height: 10rem (max-h-40)
max-h-60	max-height: 15rem (max-h-60)
max-h-screen	max-height: 100vh (max-h-screen)
max-h-full	max-height: 100% (max-h-full)

Min & Max Width

Set minimum and maximum width.

min-w-0	min-w-0 (can shrink)
min-w-full	min-w-full (100%)
min-w-[200px]	min-w-[200px] — 200px
max-w-0	max-w-0 (0px)
max-w-xs	max-w-xs (20rem) — 20rem
max-w-md	max-w-md (28rem) — 28rem
max-w-[500px]	max-w-[500px] — 500px
max-w-full	max-w-full (100%)

Sizing (Width + Height)

Set both width and height together.

size-0 (0px) · size-px (1px) · size-1 (0.25rem) · size-4 (1rem) · size-8 (2rem) · size-16 (4rem) · size-24 (6rem) · size-32 (8rem) · size-40 (10rem) · size-64 (16rem)

Tailwind CSS

BORDERS, RADIUS & SHADOWS

Essential border, rounded and shadow utility classes • Tailwind CSS v4

Border Width

Set the width of an element's border.

border-0	border-0
border	border (1px)
border-2	border-2 (2px)
border-4	border-4 (4px)
border-8	border-8 (8px)
border-x-4	border-x-4
border-y-4	border-y-4

Border Style

Change the style of the border.

border-solid	border-solid
border-dashed	border-dashed
border-dotted	border-dotted
border-double	border-double
border-none	border-none
border-hidden	border-hidden

Border Color

Set the color of the border.

border-gray-500	border-gray-500
border-blue-500	border-blue-500
border-emerald-500	border-emerald-500
border-red-500	border-red-500
border-amber-500	border-amber-500
border-purple-500	border-purple-500

Border Radius

Control the rounded corners of an element.

rounded-none	rounded-none
rounded-sm	rounded-sm
rounded	rounded
rounded-md	rounded-md
rounded-lg	rounded-lg
rounded-xl	rounded-xl
rounded-2xl	rounded-2xl
rounded-3xl	rounded-3xl
rounded-full	rounded-full

Individual Corner Radius

Round specific corners.

rounded-t	rounded-t	rounded-b
rounded-b		
rounded-l	rounded-l	rounded-r
rounded-r		
rounded-tl	rounded-tl	rounded-tr
rounded-tr		
rounded-bl	rounded-bl	rounded-br
rounded-br		

Box Shadow

Add shadow to an element.

shadow-none	shadow-none	shadow-sm
shadow-sm		
shadow	shadow	shadow-md
shadow-md		
shadow-lg	shadow-lg	shadow-xl
shadow-xl		
shadow-2xl	shadow-2xl	shadow-inner
shadow-inner		

Shadow Color

Set the color of the shadow.

shadow-gray-500	shadow-gray-500
shadow-blue-500	shadow-blue-500
shadow-emerald-500	shadow-emerald-500
shadow-red-500	shadow-red-500
shadow-amber-500	shadow-amber-500
shadow-purple-500	shadow-purple-500

Ring (Focus Outline)

Add an outline around an element.

ring-0	ring-0	ring-1	ring-2
ring-1			
ring-2	ring-4	ring-8	ring-blue-500
ring-4			
ring-8	ring-offset-2		
ring-blue-500			
ring-offset-2			

Tailwind CSS

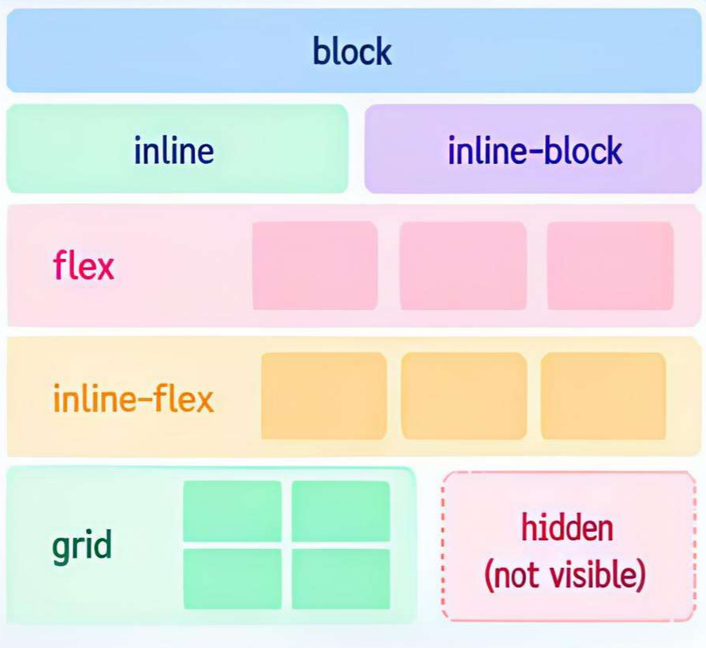
POSITIONING & DISPLAY

Essential positioning and display utility classes • Tailwind CSS v4

Display Utilities

Set how an element is displayed.

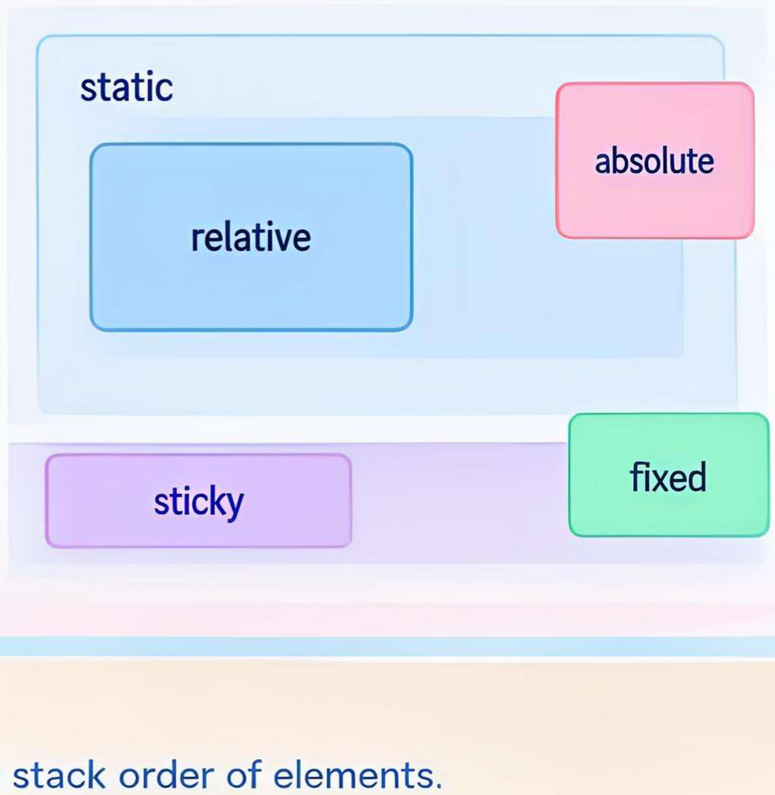
- block
- inline
- inline-block
- flex
- inline-flex
- grid
- inline-grid
- hidden
- contents



Position Utilities

Control the positioning method.

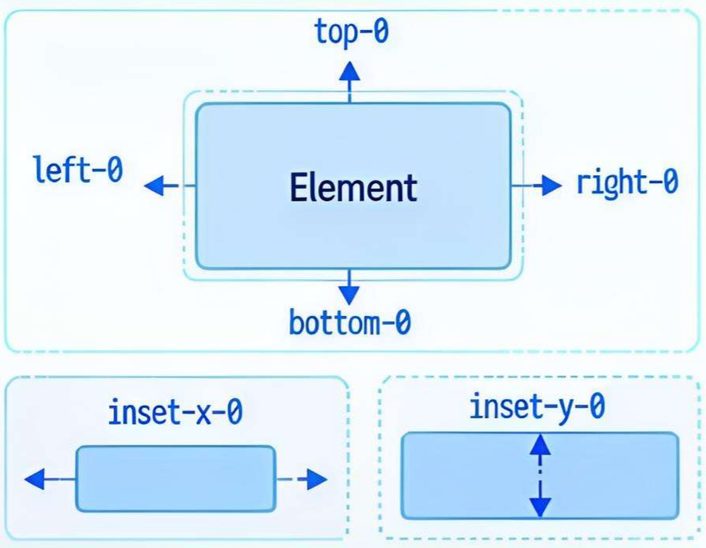
- static
- relative
- absolute
- fixed
- sticky



Position Offsets

Set the distance from the positioned edge.

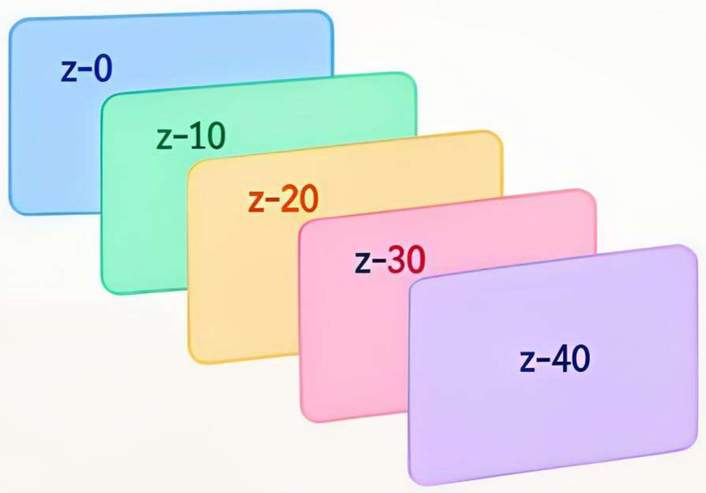
- top-0
- right-0
- bottom-0
- left-0
- inset-0
- inset-x-0
- inset-y-0



Z-Index

Control the stack order of elements.

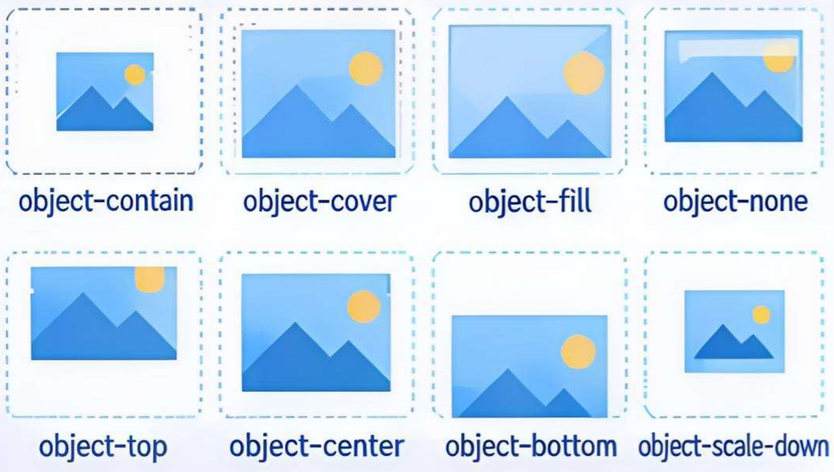
- z-0
- z-10
- z-20
- z-30
- z-40
- z-50
- z-auto



Object Position

Control the position of a replaced element (img, video).

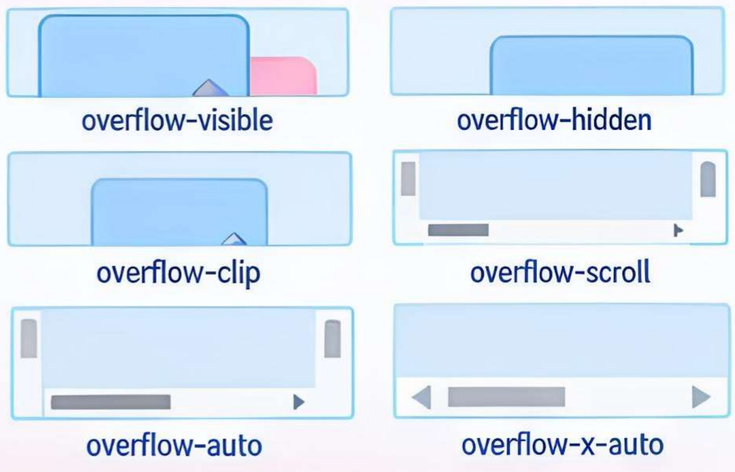
- object-contain
- object-cover
- object-fill
- object-none
- object-scale-down
- object-top
- object-center
- object-bottom



Overflow

Control what happens when content overflows.

- overflow-visible
- overflow-hidden
- overflow-clip
- overflow-scroll
- overflow-auto
- overflow-x-auto
- overflow-y-auto



Visibility

Control the visibility of an element.

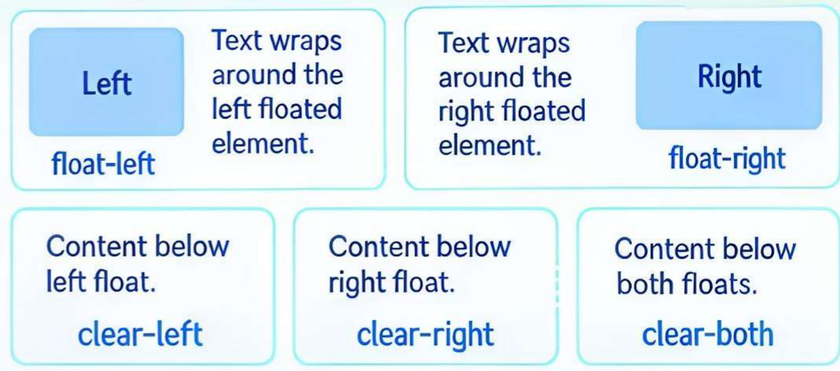
- visible
- invisible
- collapse



Float & Clear

Float an element to the left or right and clear floats.

- float-left
- float-right
- float-none
- clear-left
- clear-right
- clear-both
- clear-none



Tailwind CSS

RESPONSIVE DESIGN & STATES

Essential responsive and state utility classes • Tailwind CSS v4

Responsive Breakpoints

Apply styles at different screen sizes.

```
sm:
md:
lg:
xl:
2xl:
```

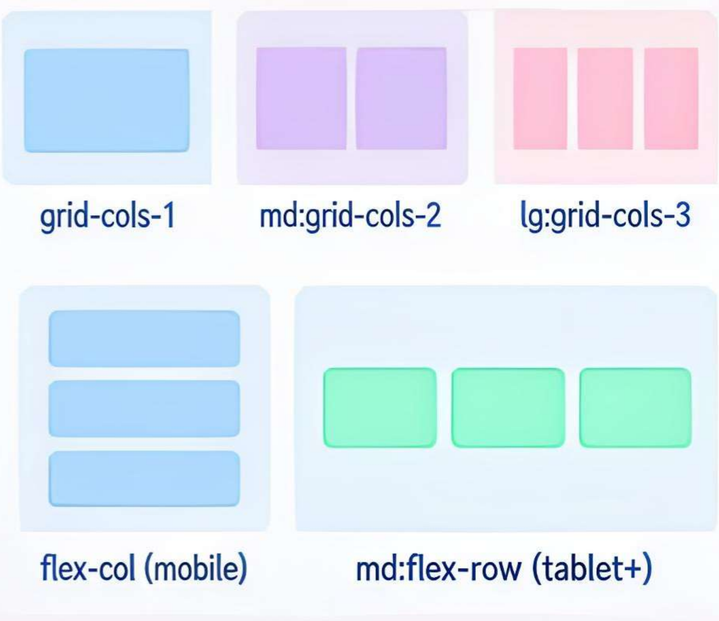
```
sm (640px)
md (768px)
lg (1024px)
xl (1280px)
2xl (1536px)
```



Responsive Example

Change layout, size and visibility across screens.

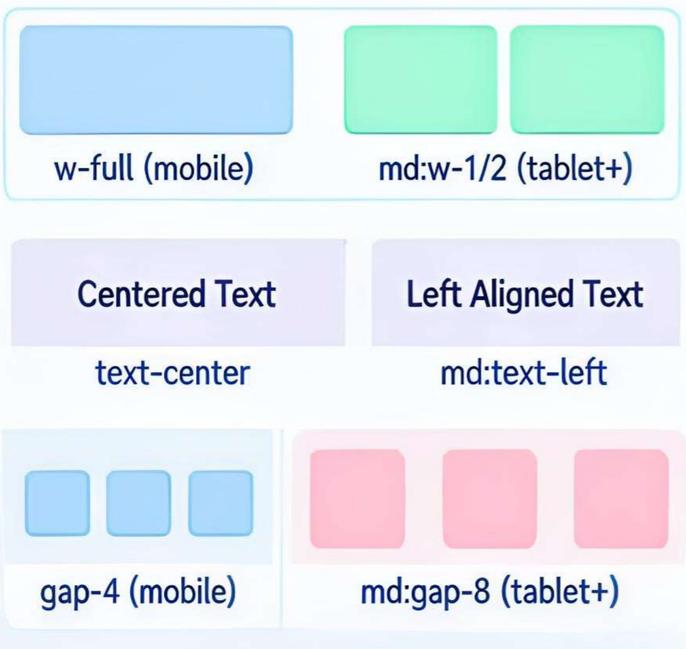
```
text-sm md:text-base lg:text-lg
p-4 md:p-6 lg:p-8
grid-cols-1 md:grid-cols-2 lg:grid-cols-3
flex-col md:flex-row
w-full md:w-1/2 lg:w-1/3
hidden md:block
block md:hidden
```



Responsiveness Utilities

Common responsive utility patterns.

```
w-full md:w-1/2
text-center md:text-left
p-4 md:p-8
flex-col md:flex-row
gap-4 md:gap-8
text-sm md:text-base
hidden md:block
block md:hidden
grid-cols-1 md:grid-cols-2
```



Hover, Focus & Active States

Style elements based on user interaction.

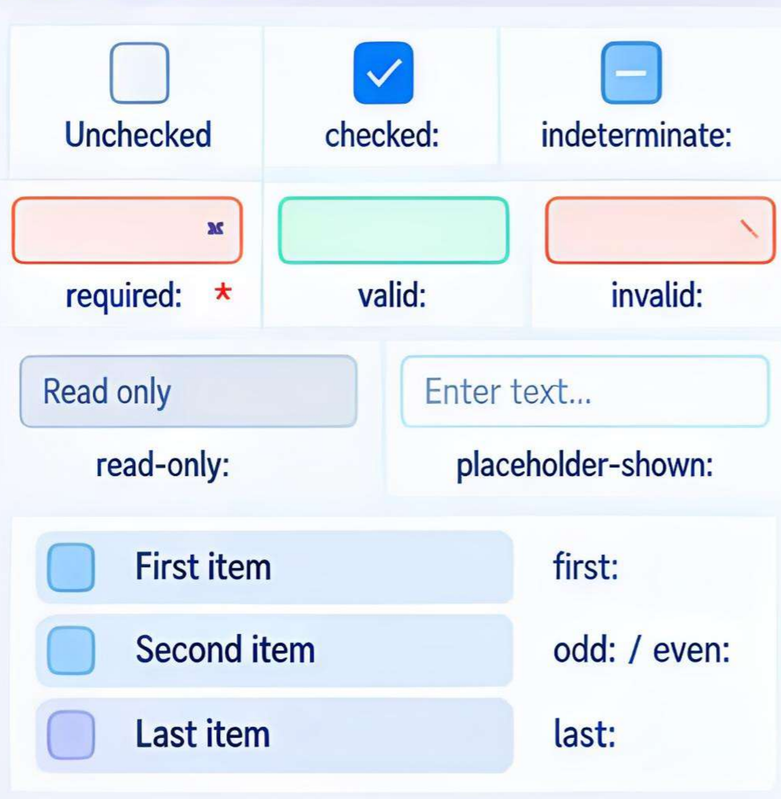
```
hover:
focus:
active:
focus-visible:
disabled:
group-hover:
group-focus:
group-active:
```



Pseudo-class States

Other useful state variants.

```
checked:
indeterminate:
required:
invalid:
valid:
read-only:
placeholder-shown:
first:
last:
odd:
even:
```

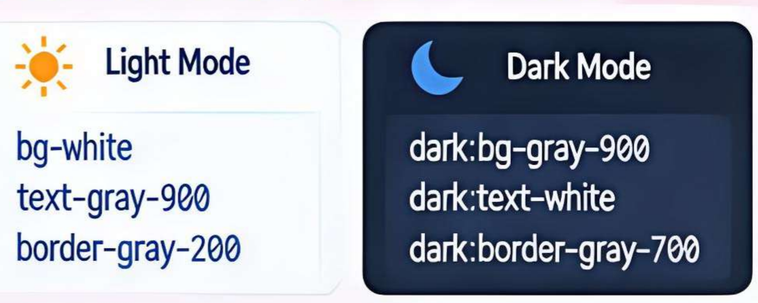


Dark Mode

Apply styles in dark mode using the dark variant.

```
dark:
```

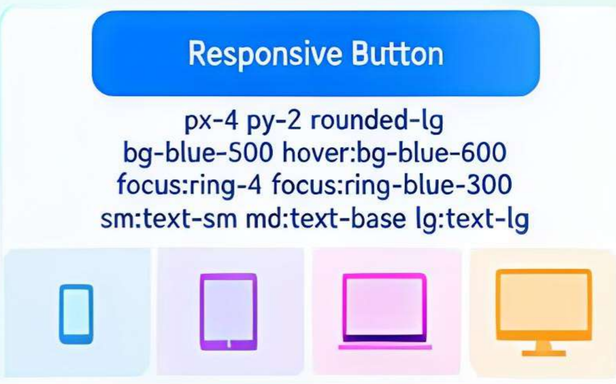
Enable dark mode using class strategy (e.g. <html class="dark">) or media strategy.



Common Combinations

Practical examples using responsive and state variants.

```
hover:bg-blue-600
focus:ring-4 focus:ring-blue-300
md:flex lg:hidden
dark:bg-gray-900 dark:text-white
disabled:opacity-50
sm:text-sm md:text-base lg:text-lg
group-hover:scale-105
focus-visible:outline-none
```



Tailwind CSS

EFFECTS, TRANSITIONS & FORMS

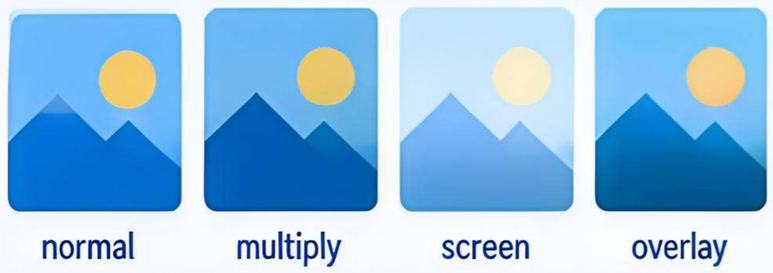
Essential effects, transition and form utility classes • Tailwind CSS v4

Opacity & Blend Modes

Control transparency and blending.

- opacity-0
- opacity-25
- opacity-50
- opacity-75
- opacity-100
- mix-blend-normal
- mix-blend-multiply
- mix-blend-screen
- mix-blend-overlay





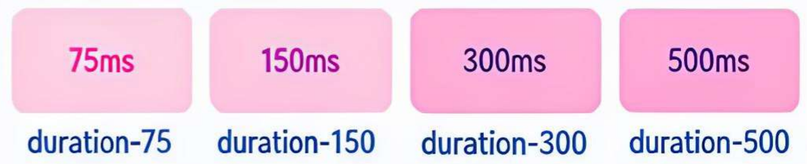
Transitions

Add smooth transitions between states.

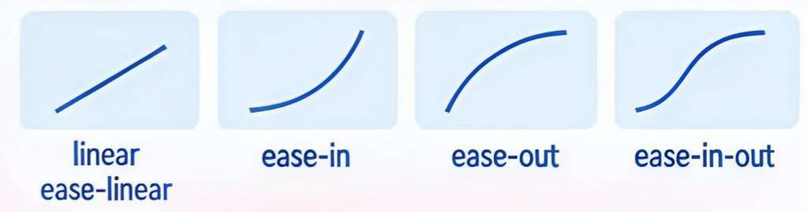
- transition-none
- transition
- transition-all
- transition-colors
- transition-opacity
- transition-shadow
- transition-transform
- duration-75
- duration-150
- duration-300
- duration-500
- ease-linear
- ease-in
- ease-out
- ease-in-out



Duration



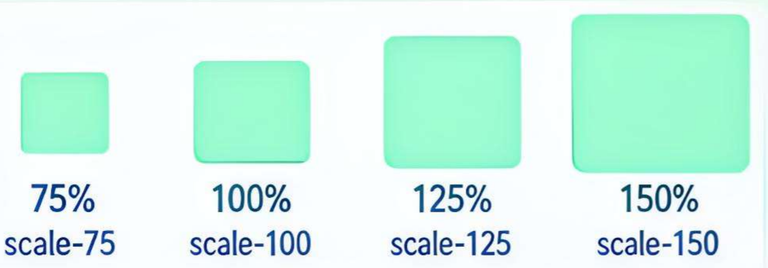
Easing

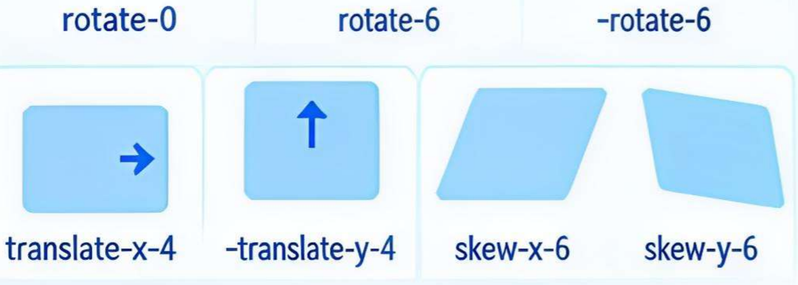


Transform & Effects

Apply transforms and visual effects.

- scale-75
- scale-100
- scale-125
- scale-150
- rotate-0
- rotate-6
- -rotate-6
- translate-x-4
- -translate-y-4
- skew-x-6
- skew-y-6





Filters, Blur & Backdrop

Apply visual effects to elements and backgrounds.

- filter
- blur-0
- blur-sm
- blur-md
- blur-lg
- brightness-75
- brightness-100
- brightness-125
- contrast-50
- contrast-125
- saturate-50
- saturate-125
- backdrop-blur-sm
- backdrop-blur-md

Blur



Brightness



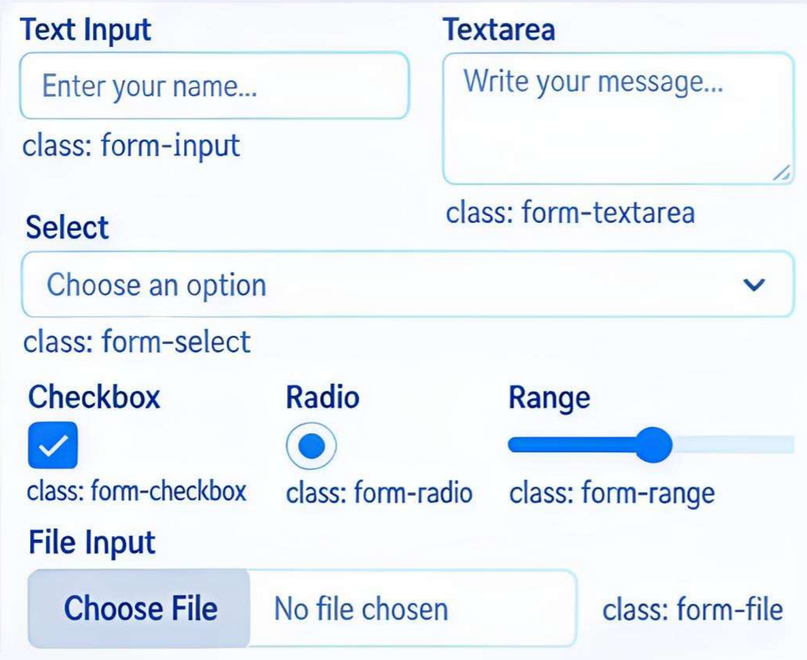
Backdrop Blur (glass effect)



Forms Styling

Style form elements easily.

- form-input
- form-textarea
- form-select
- form-checkbox
- form-radio
- form-range
- form-multiselect
- form-file



States for Forms

Style elements based on different states.

- hover:
- focus:
- active:
- disabled:
- required:
- valid:
- invalid:
- checked:
- indeterminate:
- read-only:

