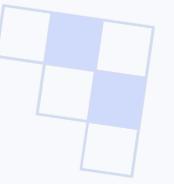


Introducción a TailwindCSS: Grid Layout

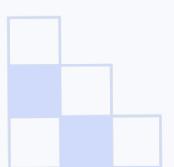


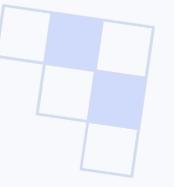


Propiedades Básicas 1

- ✓ **grid**: inicializar grid layout.
- ✓ **grid-cols-?**: definir el numero de columnas.
- ✓ **gap-?**: definir el espacio entre los elementos.

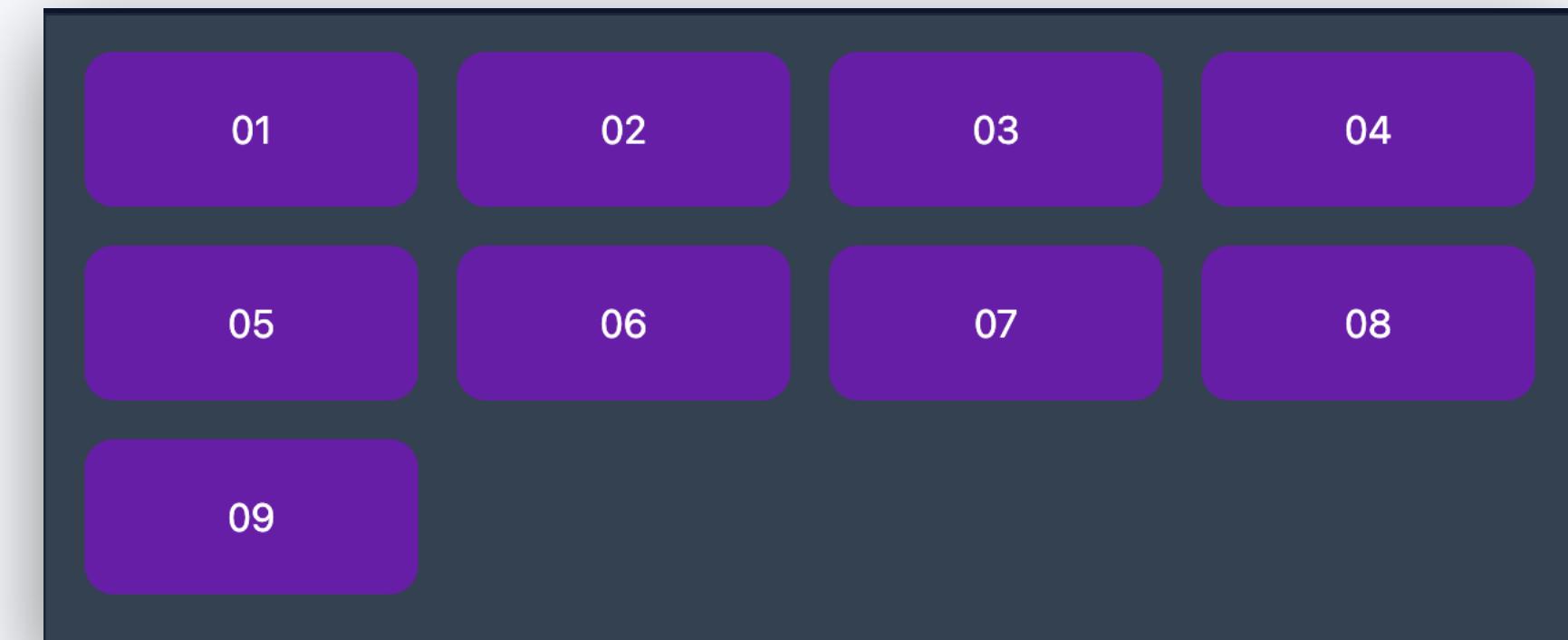
```
<div class="grid grid-cols-4 gap-4">
  <div>01</div>
  <!-- ... -->
  <div>09</div>
</div>
```

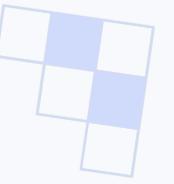




Practica con grid-cols

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="grid grid-cols-4 gap-4">
3     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">01</span>
4     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">02</span>
5     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">03</span>
6     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">04</span>
7     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">05</span>
8     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">06</span>
9     <span class="rounded-xl bg-purple-800 py-5 text-center text-white">07</span>
10    <span class="rounded-xl bg-purple-800 py-5 text-center text-white">08</span>
11    <span class="rounded-xl bg-purple-800 py-5 text-center text-white">09</span>
12  </div>
13 </div>
14
```

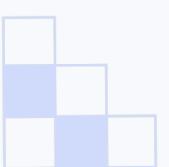


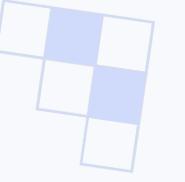


Propiedades Básicas 2

- ✓ **grid**: inicializar grid layout.
- ✓ **grid-cols-?**: definir el numero de columnas.
- ✓ **gap-?**: definir el espacio entre los elementos.
- ✓ **col-span-?**: definir numero de columnas para un elemento.

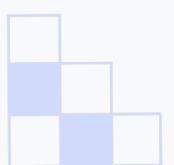
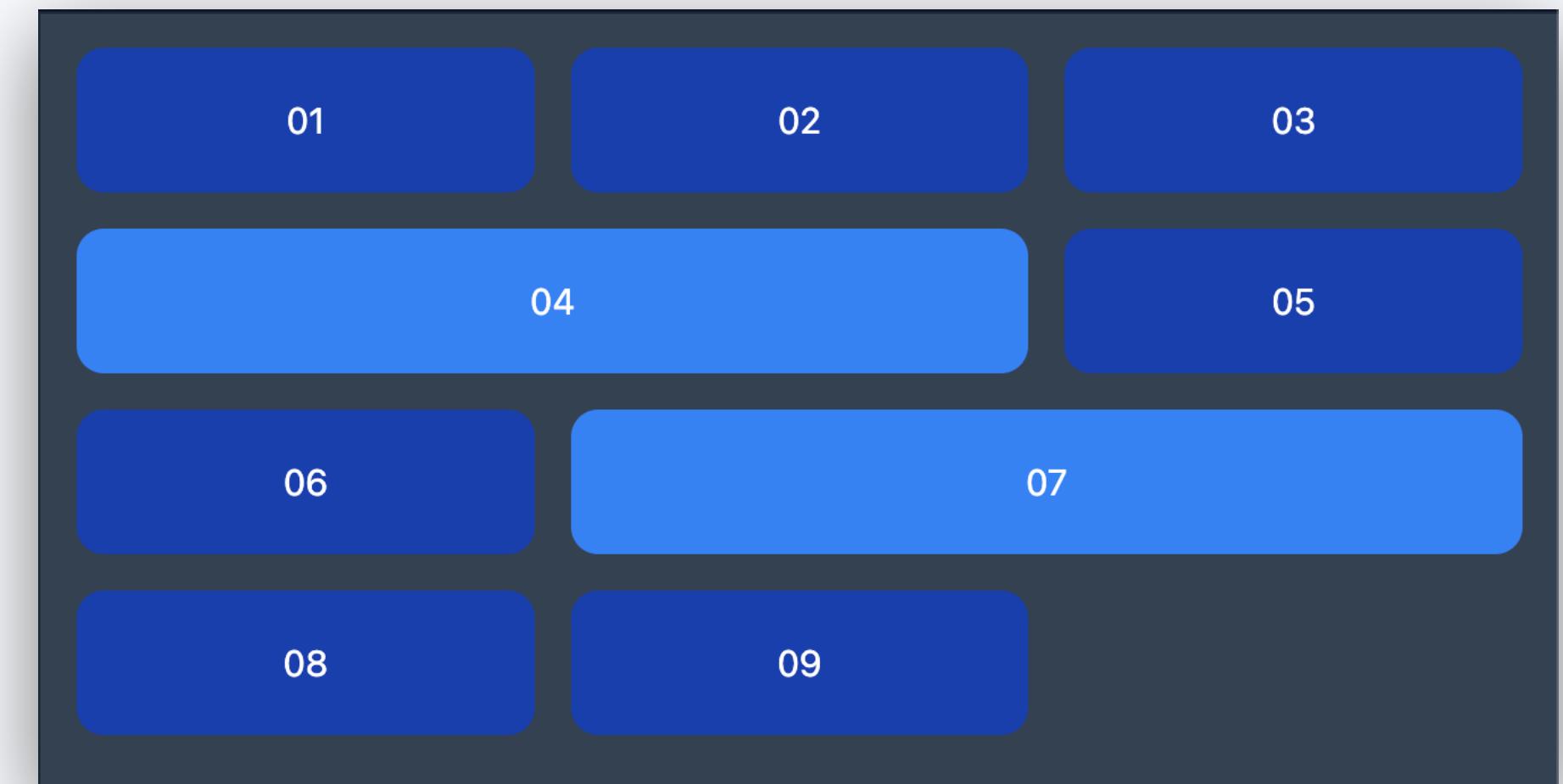
```
<div class="grid grid-cols-3 gap-4">
  <div class="...">01</div>
  <div class="...">02</div>
  <div class="...">03</div>
  <div class="col-span-2 ...">04</div>
  <div class="...">05</div>
  <div class="...">06</div>
  <div class="col-span-2 ...">07</div>
</div>
```

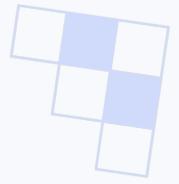




Practica con col-span

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="grid grid-cols-3 gap-4">
3     <span class="rounded-xl bg-blue-800 py-5 text-center text-white">01</span>
4     <span class="rounded-xl bg-blue-800 py-5 text-center text-white">02</span>
5     <span class="rounded-xl bg-blue-800 py-5 text-center text-white">03</span>
6     <span class="col-span-2 rounded-xl bg-blue-500 py-5 text-center text-white">04</span>
7     <span class="rounded-xl bg-blue-800 py-5 text-center text-white">05</span>
8     <span class="rounded-xl bg-blue-800 py-5 text-center text-white">06</span>
9     <span class="col-span-2 rounded-xl bg-blue-500 py-5 text-center text-white">07</span>
10    <span class="rounded-xl bg-blue-800 py-5 text-center text-white">08</span>
11    <span class="rounded-xl bg-blue-800 py-5 text-center text-white">09</span>
12  </div>
13 </div>
14
```



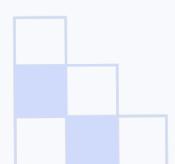


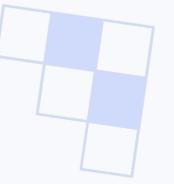
Propiedades Básicas 3

- ✓ **grid**: inicializar grid layout.
- ✓ **grid-cols-?**: definir el numero de columnas.
- ✓ **gap-?**: definir el espacio entre los elementos.
- ✓ **col-span-?**: definir numero de columnas para un elemento.
- ✓ **col-start-?**: define donde inicia el elemento en la grid.
- ✓ **col-end-?**: define donde termina el elemento en la grid.

The diagram illustrates a 3x4 grid layout. It consists of three rows and four columns. The first row contains a blue box labeled '01' and two gray boxes. The second row contains a blue box labeled '02', a gray box, a gray box, and a blue box labeled '03'. The third row contains a single blue box labeled '04'. The grid is defined by a dark gray border with a light gray background. The boxes are colored blue or gray, and the labels are white.

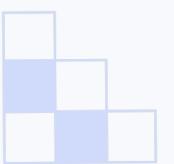
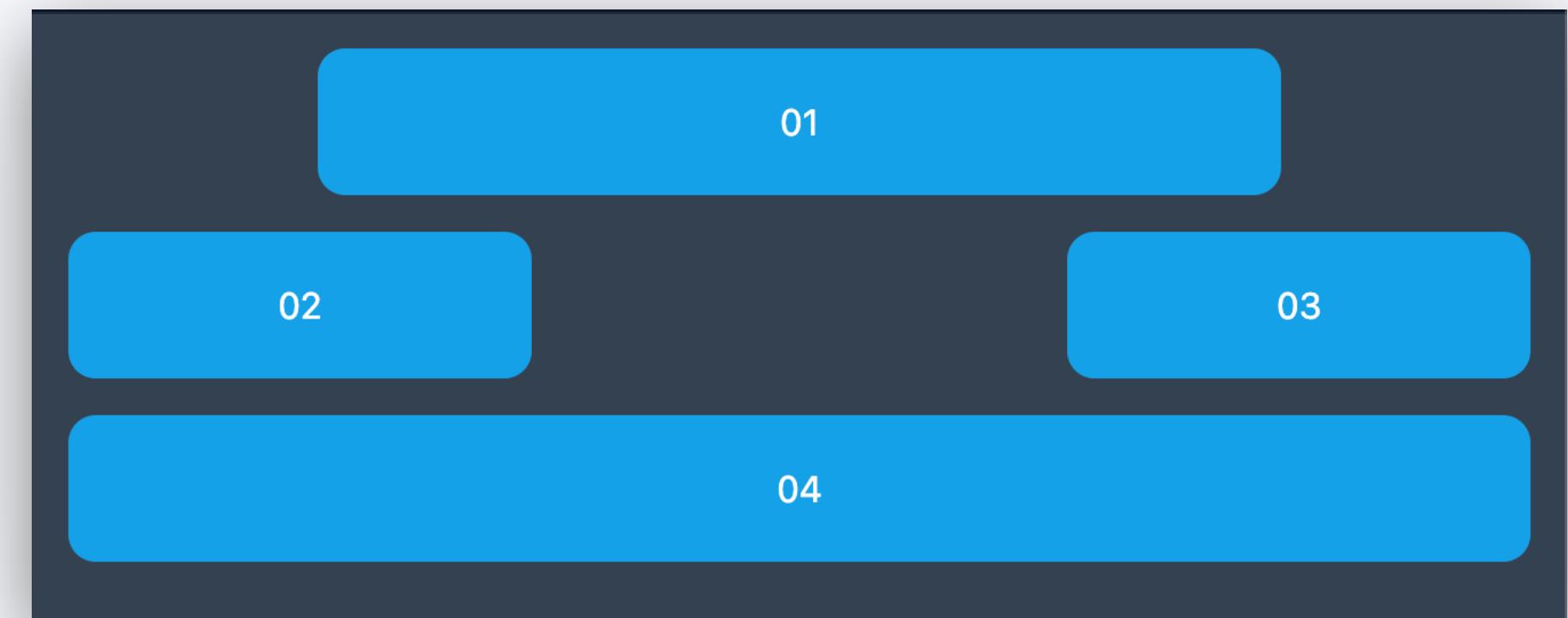
```
<div class="grid grid-cols-6 gap-4">
  <div class="col-start-2 col-span-4 ...>01</div>
  <div class="col-start-1 col-end-3 ...>02</div>
  <div class="col-end-7 col-span-2 ...>03</div>
  <div class="col-start-1 col-end-7 ...>04</div>
</div>
```

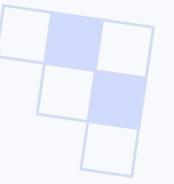




Practica con col-start y col-end

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="grid grid-cols-6 gap-4">
3     <span class="col-span-4 col-start-2 rounded-xl bg-sky-500 py-5 text-center text-white">01</span>
4     <span class="col-start-1 col-end-3 rounded-xl bg-sky-500 py-5 text-center text-white">02</span>
5     <span class="col-span-2 col-end-7 rounded-xl bg-sky-500 py-5 text-center text-white">03</span>
6     <span class="col-span-2 col-start-1 col-end-7 rounded-xl bg-sky-500 py-5 text-center text-white">04</span>
7   </div>
8 </div>
9
```



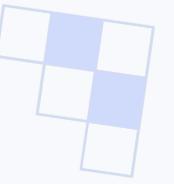


Propiedades Básicas 4

- ✓ **grid**: inicializar grid layout.
- ✓ **grid-rows-?**: definir el numero de filas.
- ✓ **grid-flow-col**: definir la dirección.
- ✓ **gap-?**: definir el espacio entre los elementos.

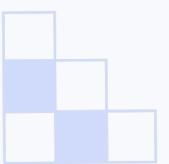
```
<div class="grid grid-rows-4 grid-flow-col gap-4">
  <div>01</div>
  <!-- ... -->
  <div>09</div>
</div>
```

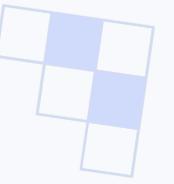




Practica con grid-rows

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="grid grid-flow-col grid-rows-4 gap-4">
3     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">01</span>
4     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">02</span>
5     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">03</span>
6     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">04</span>
7     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">05</span>
8     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">06</span>
9     <span class="rounded-xl bg-pink-500 py-5 text-center text-white">07</span>
10    <span class="rounded-xl bg-pink-500 py-5 text-center text-white">08</span>
11    <span class="rounded-xl bg-pink-500 py-5 text-center text-white">09</span>
12  </div>
13 </div>
14
```



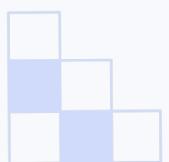


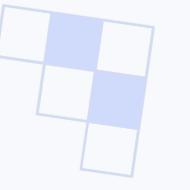
Propiedades Básicas 5

- ✓ **grid**: inicializar grid layout.
- ✓ **grid-rows-?**: definir el numero de filas.
- ✓ **grid-flow-col**: definir la dirección.
- ✓ **gap-?**: definir el espacio entre los elementos.
- ✓ **row-span-?**: definir el numero de espacios que va tomar el elemento.
- ✓ **col-span-?**: definir el numero de espacios que va tomar el elemento.

The diagram illustrates a grid layout with 3 rows and 2 columns. Item 01 is a tall pink rectangle spanning all 3 rows in the first column. Item 02 is a shorter pink rectangle spanning 2 rows in the second column. Item 03 is a pink rectangle spanning 2 rows and 2 columns, positioned in the bottom-right corner.

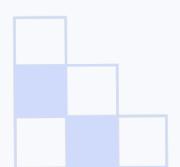
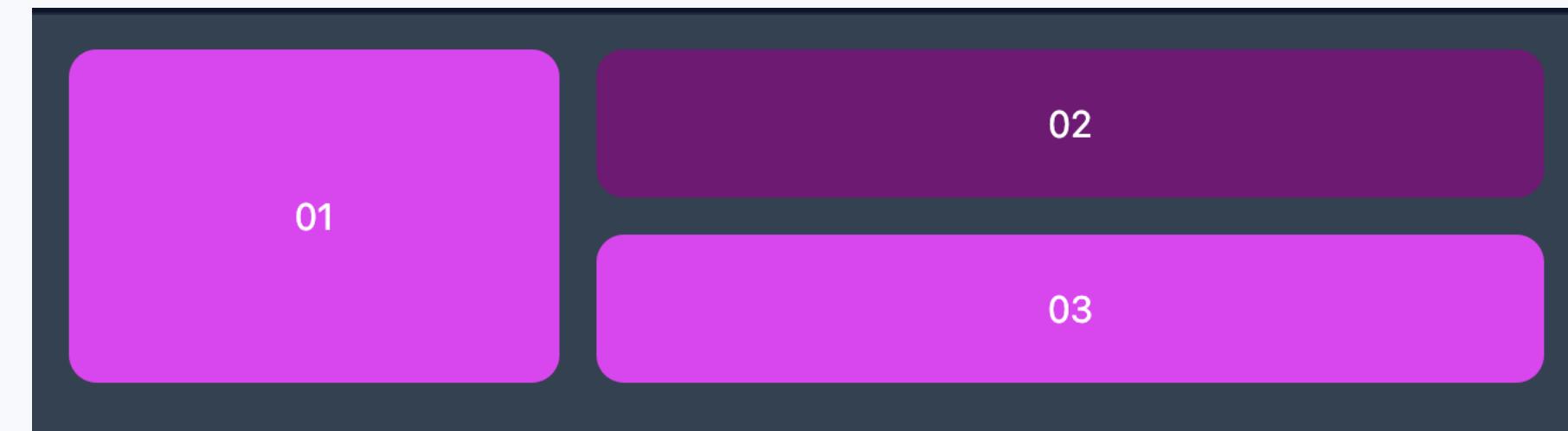
```
<div class="grid grid-rows-3 grid-flow-col gap-4">
  <div class="row-span-3 ...">01</div>
  <div class="col-span-2 ...">02</div>
  <div class="row-span-2 col-span-2 ...">03</div>
</div>
```





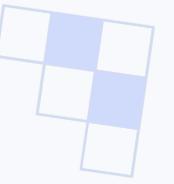
Practica con row-span

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="grid grid-flow-col grid-rows-2 gap-4">
3     <span class="row-span-2 rounded-xl bg-fuchsia-500 py-5 text-white flex justify-center items-center">01</span>
4     <span class="rounded-xl bg-fuchsia-900 py-5 text-center text-white col-span-2">02</span>
5     <span class="rounded-xl bg-fuchsia-500 py-5 text-center text-white col-span-2">03</span>
6   </div>
7 </div>
8
```



Introducción a TailwindCSS: Flex Layout



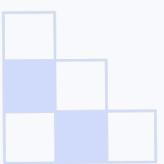


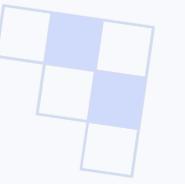
Propiedades Básicas 1

- ✓ **flex**: inicializar flex layout.
- ✓ **flex-row**: definir la dirección.
- ✓ **basis-?**: definir el tamaño del elemento.

The screenshot shows a dark-themed code editor with a grid background. At the top, there are three pink rounded rectangular buttons labeled '01', '02', and '03'. Below them is a code block:

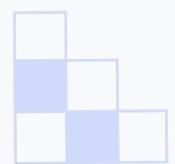
```
<div class="flex flex-row">
  <div class="basis-1/4">01</div>
  <div class="basis-1/4">02</div>
  <div class="basis-1/2">03</div>
</div>
```

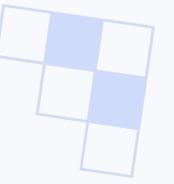




Practica con flex

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="flex flex-row gap-4">
3     <span class="basis-1/4 rounded-xl bg-fuchsia-600 px-10 py-5 text-center text-white">01</span>
4     <span class="basis-1/4 rounded-xl bg-fuchsia-600 px-10 py-5 text-center text-white">02</span>
5     <span class="basis-1/2 rounded-xl bg-fuchsia-600 px-10 py-5 text-center text-white">03</span>
6   </div>
7 </div>
8
```



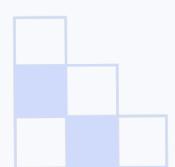


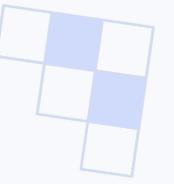
Propiedades Básicas 2

- ✓ **flex**: inicializar flex layout.
- ✓ **flex-row-reverse**: cambiar el orden de los elementos.



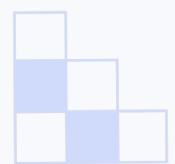
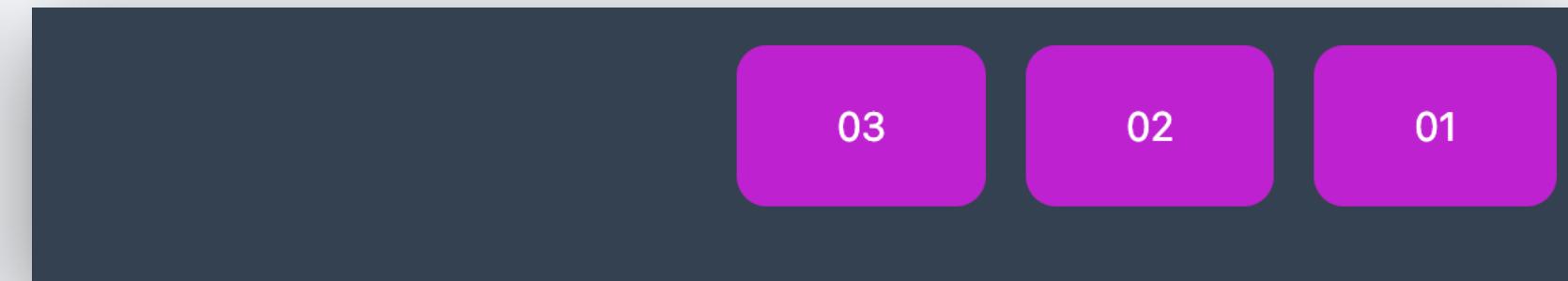
```
<div class="flex flex-row-reverse ...">
  <div>01</div>
  <div>02</div>
  <div>03</div>
</div>
```

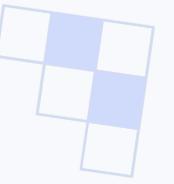




Practica con flex-row-reverse

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="flex flex-row-reverse gap-4">
3     <span class="rounded-xl bg-fuchsia-600 px-10 py-5 text-center text-white">01</span>
4     <span class="rounded-xl bg-fuchsia-600 px-10 py-5 text-center text-white">02</span>
5     <span class="rounded-xl bg-fuchsia-600 px-10 py-5 text-center text-white">03</span>
6   </div>
7 </div>
8
```

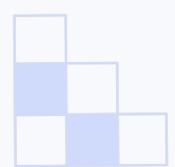


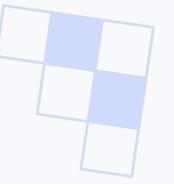


Propiedades Básicas 3

- ✓ **flex**: inicializar flex layout.
- ✓ **flex-col**: cambiar a columnas los elementos.

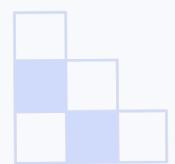
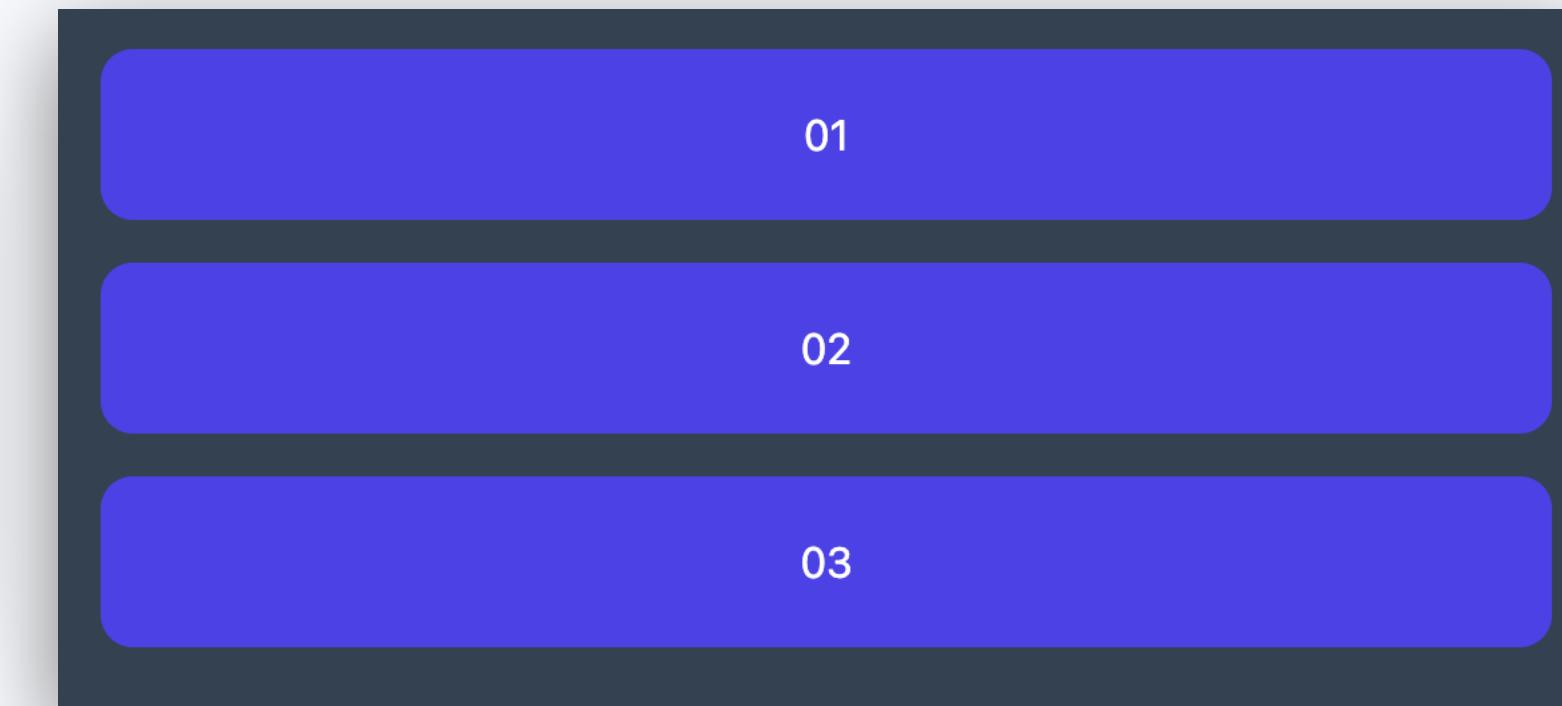
```
<div class="flex flex-col ...>
  <div>01</div>
  <div>02</div>
  <div>03</div>
</div>
```

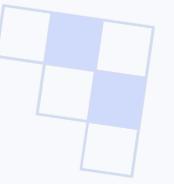




Practica con flex-col

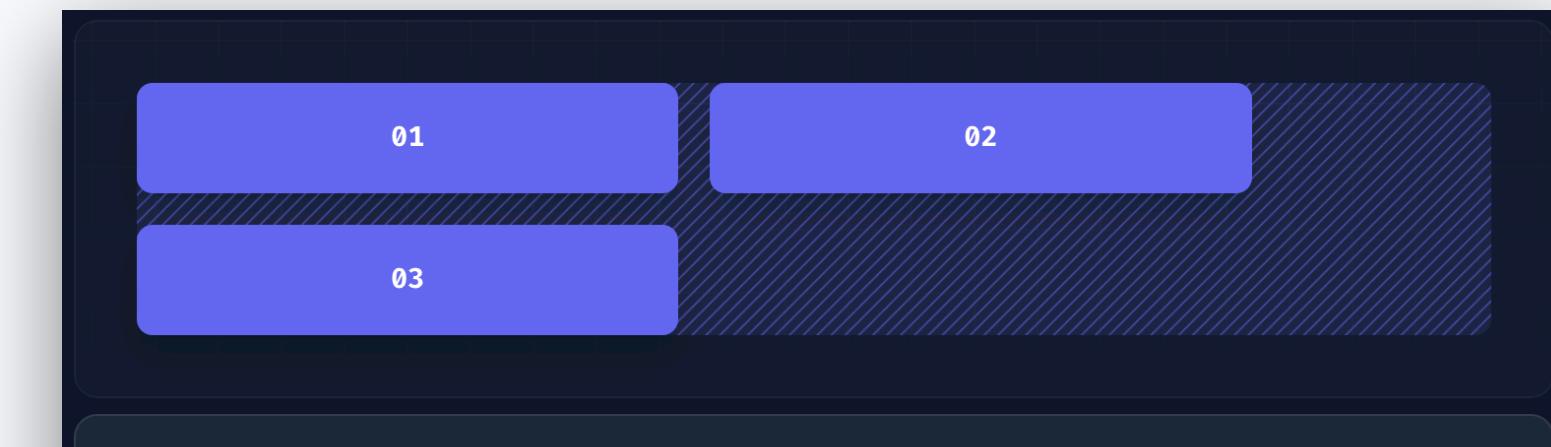
```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="flex flex-col gap-4">
3     <span class="rounded-xl bg-indigo-600 px-10 py-5 text-center text-white">01</span>
4     <span class="rounded-xl bg-indigo-600 px-10 py-5 text-center text-white">02</span>
5     <span class="rounded-xl bg-indigo-600 px-10 py-5 text-center text-white">03</span>
6   </div>
7 </div>
8
```



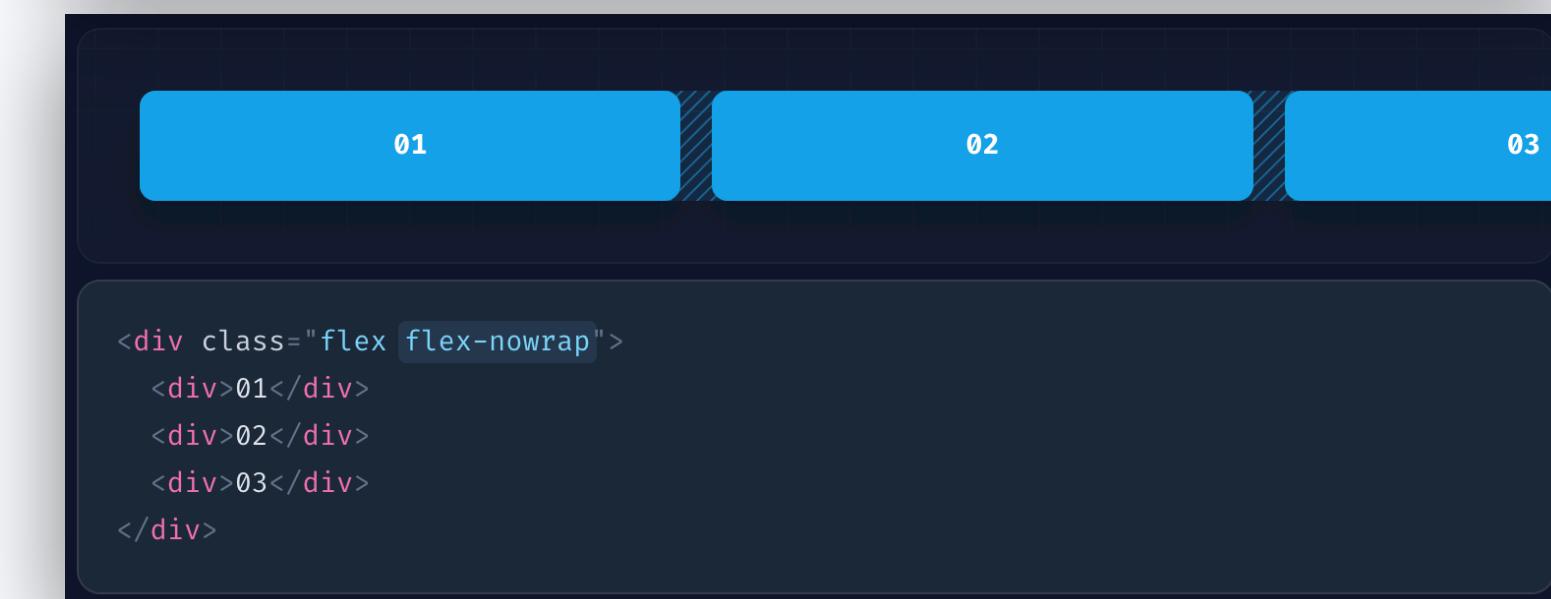


Propiedades Básicas 4

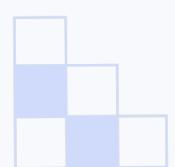
- ✓ **flex**: inicializar flex layout.
- ✓ **flex-wrap**: ajusta los elementos con respecto al ancho de su padre.
- ✓ **flexnowrap**: hace que los elementos no se ajuste al ancho de su padre.

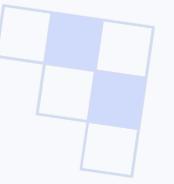


```
<div class="flex flex-wrap">
  <div>01</div>
  <div>02</div>
  <div>03</div>
</div>
```



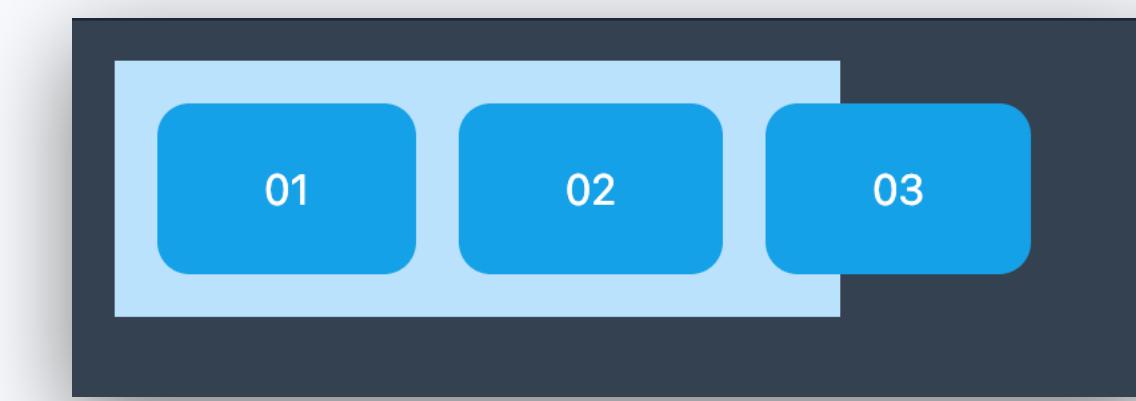
```
<div class="flex flexnowrap">
  <div>01</div>
  <div>02</div>
  <div>03</div>
</div>
```

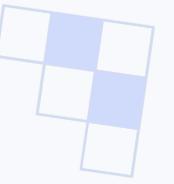




Practica con flex-wrap y flex-nowrap

```
1 <div class="h-screen w-screen bg-gray-700 p-4">  
2   <div class="flex w-3/6 flex-wrap gap-4 overflow-auto bg-sky-200 p-4">  
3     <span class="rounded-xl bg-sky-500 px-10 py-5 text-center text-white">01</span>  
4     <span class="rounded-xl bg-sky-500 px-10 py-5 text-center text-white">02</span>  
5     <span class="rounded-xl bg-sky-500 px-10 py-5 text-center text-white">03</span>  
6   </div>  
7 </div>  
8
```

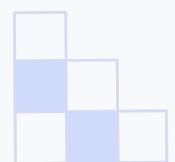


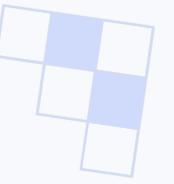


Propiedades Básicas 8

- ✓ **flex**: inicializar flex layout.
- ✓ **order-?**: permite ordenar los elementos.

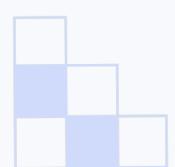
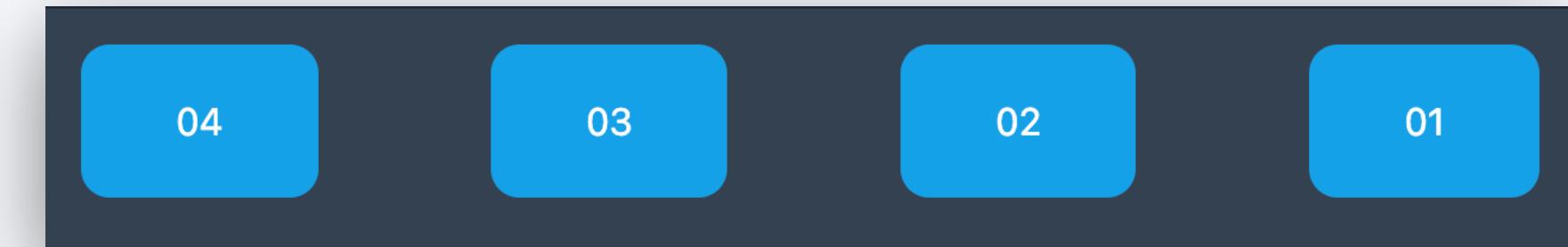
```
<div class="flex justify-between ...">
  <div class="order-last">01</div>
  <div>02</div>
  <div>03</div>
</div>
```





Practica con order

```
1 <div class="h-screen w-screen bg-gray-700 p-4">
2   <div class="flex justify-between gap-4">
3     <span class="order-last rounded-xl bg-sky-500 px-10 py-5 text-center text-white">01</span>
4     <span class="order-3 rounded-xl bg-sky-500 px-10 py-5 text-center text-white">02</span>
5     <span class="order-2 rounded-xl bg-sky-500 px-10 py-5 text-center text-white">03</span>
6     <span class="order-1 rounded-xl bg-sky-500 px-10 py-5 text-center text-white">04</span>
7   </div>
8 </div>
9
```



Introducción a TailwindCSS: Posicionamiento



Alinear y Posicionar en CSS



Justify

- Se utiliza para alinear **horizontalmente** el contenido de un elemento en **relación con su contenedor**.
- Se utiliza principalmente para **alinear el texto** dentro de un elemento **contenedor**.
- Los valores posibles son: "start", "end", "center", "justify" y "match-parent".

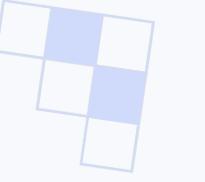
Align

- Se utiliza para alinear **verticalmente** los elementos.
- Se utiliza principalmente para alinear elementos **en relación con otros elementos** de la página.
- Los valores posibles son: "top", "bottom", "middle", "baseline" y "stretch".

Place

- Se utiliza para **alinear** y **posicionar** elementos **en un contenedor**.
- Combina las propiedades de "align" y "justify".
- Los valores posibles son: "auto", "start", "end", "center", "stretch", "space-between", "space-around" y "space-evenly".





Propiedades Justify

Class	Properties
justify-normal	justify-content: normal;
justify-start	justify-content: flex-start;
justify-end	justify-content: flex-end;
justify-center	justify-content: center;
justify-between	justify-content: space-between;
justify-around	justify-content: space-around;
justify-evenly	justify-content: space-evenly;
justify-stretch	justify-content: stretch;

Justify content

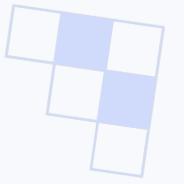


Class	Properties
justify-items-start	justify-items: start;
justify-items-end	justify-items: end;
justify-items-center	justify-items: center;
justify-items-stretch	justify-items: stretch;

Justify items

Class	Properties
justify-self-auto	justify-self: auto;
justify-self-start	justify-self: start;
justify-self-end	justify-self: end;
justify-self-center	justify-self: center;
justify-self-stretch	justify-self: stretch;

Justify self



Propiedades Align

Class	Properties
content-normal	align-content: normal;
content-center	align-content: center;
content-start	align-content: flex-start;
content-end	align-content: flex-end;
content-between	align-content: space-between;
content-around	align-content: space-around;
content-evenly	align-content: space-evenly;
content-baseline	align-content: baseline;
content-stretch	align-content: stretch;

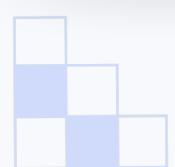
Align content

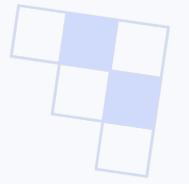
Class	Properties
items-start	align-items: flex-start;
items-end	align-items: flex-end;
items-center	align-items: center;
items-baseline	align-items: baseline;
items-stretch	align-items: stretch;

Align items

Class	Properties
self-auto	align-self: auto;
self-start	align-self: flex-start;
self-end	align-self: flex-end;
self-center	align-self: center;
self-stretch	align-self: stretch;
self-baseline	align-self: baseline;

Align self





Propiedades Place

Class	Properties
place-content-center	place-content: center;
place-content-start	place-content: start;
place-content-end	place-content: end;
place-content-between	place-content: space-between;
place-content-around	place-content: space-around;
place-content-evenly	place-content: space-evenly;
place-content-baseline	place-content: baseline;
place-content-stretch	place-content: stretch;

Place content

Class	Properties
place-items-start	place-items: start;
place-items-end	place-items: end;
place-items-center	place-items: center;
place-items-baseline	place-items: baseline;
place-items-stretch	place-items: stretch;

Place items

Class	Properties
place-self-auto	place-self: auto;
place-self-start	place-self: start;
place-self-end	place-self: end;
place-self-center	place-self: center;
place-self-stretch	place-self: stretch;

Place self