

wawiwa

# CSS FLEX (Flexibilidad)

# CSS

# Propiedades de Flex [mdn](#)

```
display: flex | inline-flex
flex-direction: row | column
flex-wrap: wrap | nowrap | wrapreverse
flex-basis: <length>
justify-content: flex-start | flex-end | center
align-self: flex-start | flex-end | center
align-item
align-content
flex-grow: <number>;
flex-shrink: <integer>;
flex: <integer>
order: <integer>
flex-flow
```

Un div flexible debe tener un elemento padre con una propiedad “display” configurada a “flex”.

# Flex Ejemplo 1 - display: flex

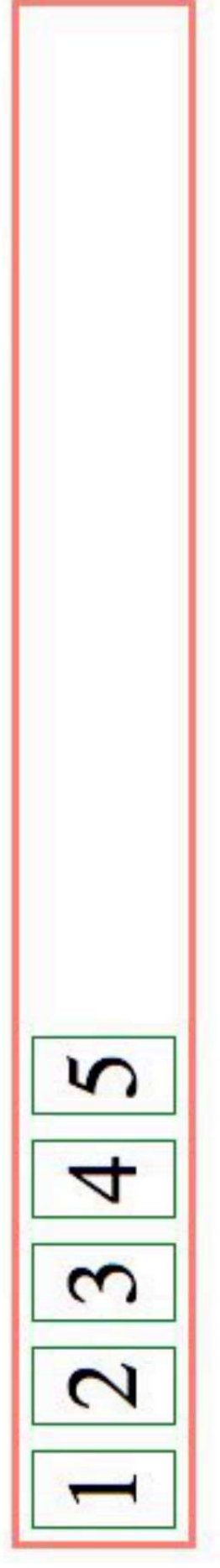
CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
}  
  
.flex * {  
  border: 1px solid green;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

HTML

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
</div>
```

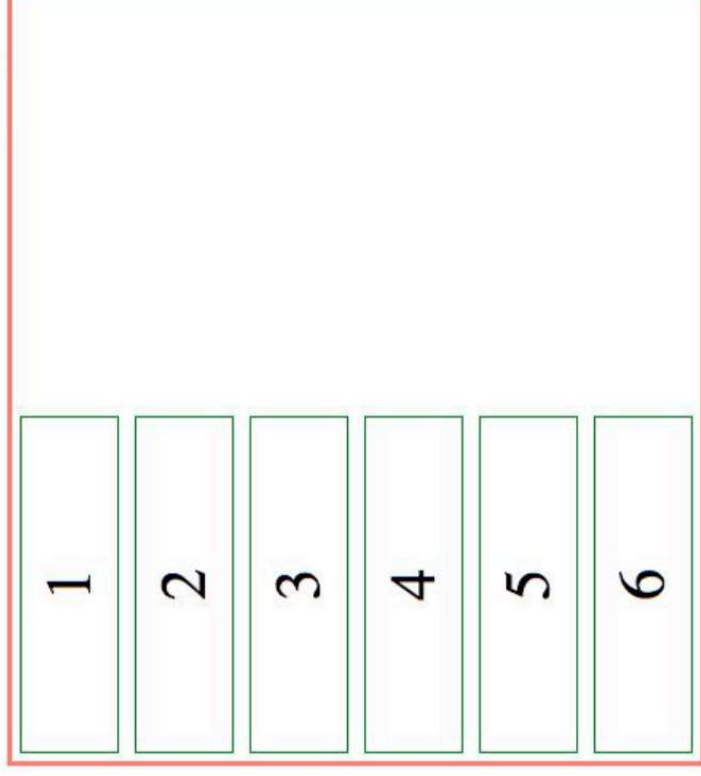
Display del padre configurado a flex.



# Flex Ejemplo 2 - direction-column

CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  flex-direction: column;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```



html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

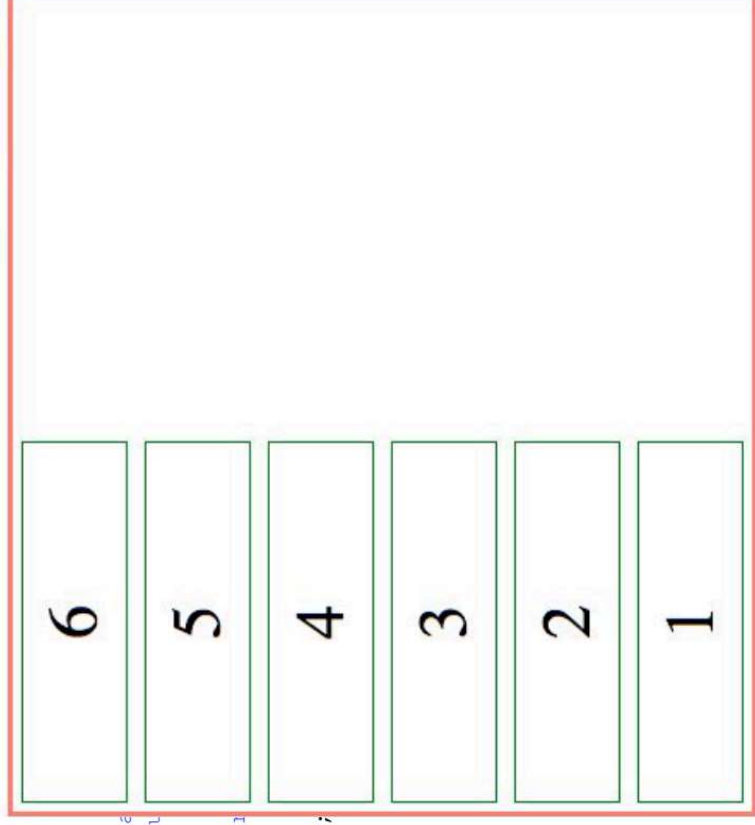
Direction de Flex  
configurado a  
"column".



# Flex Ejemplo 3 - direction column-reverse

CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  flex-direction: column;  
}  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```



html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

Direction de Flex  
configurado a  
"column-reverse".

# Flex Ejemplo 4 - direction row

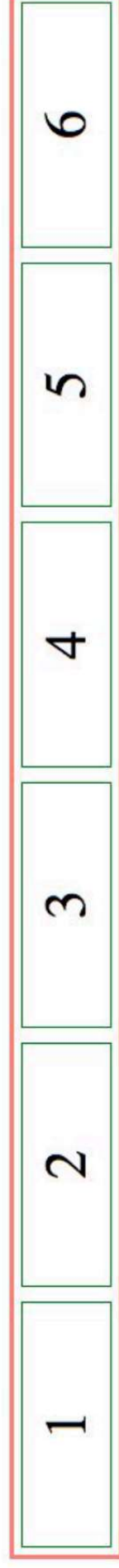
CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  flex-direction: row;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

Flex direction,  
set to row.



# Flex Ejemplo 5 - direction row-reverse

CSS

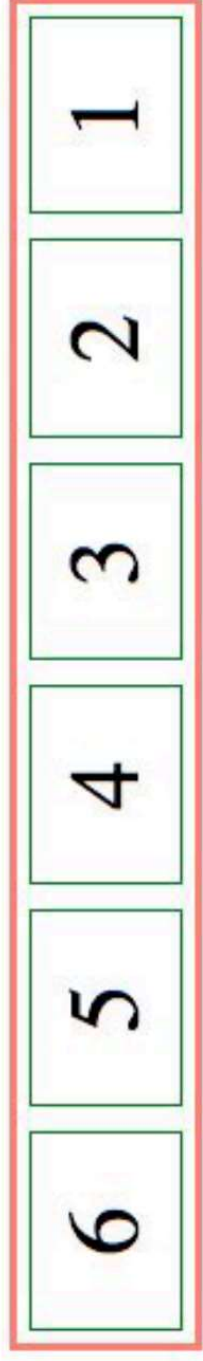
```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  flex-direction: row-reverse;  
}
```

```
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

Direction de Flex configurado a "row-reverse".



# Flex Ejemplo 6 - flex wrap

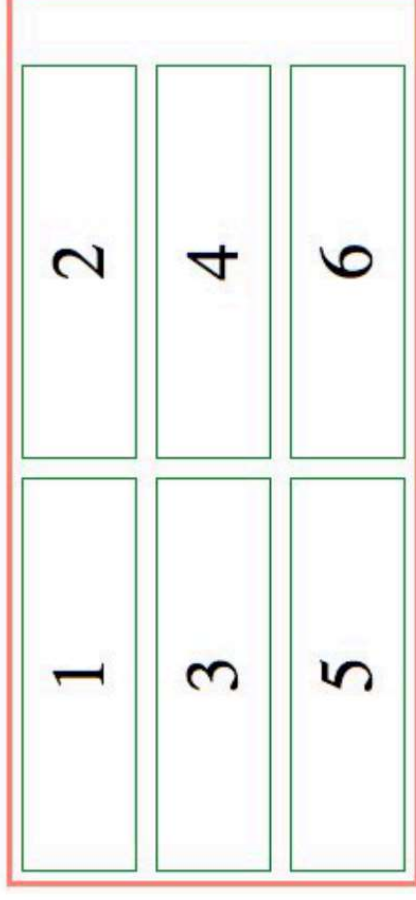
css

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  flex-wrap: wrap;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

Envuelve al  
div





# Flex Ejemplo 7 justify-content: flex-start

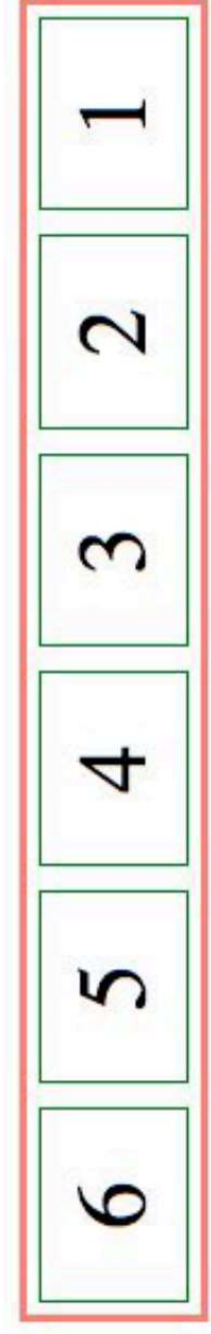
CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  justify-content: flex-start;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

Se alinea al inicio del div,  
este es por defecto



# Flex Ejemplo 8 justify-content: end

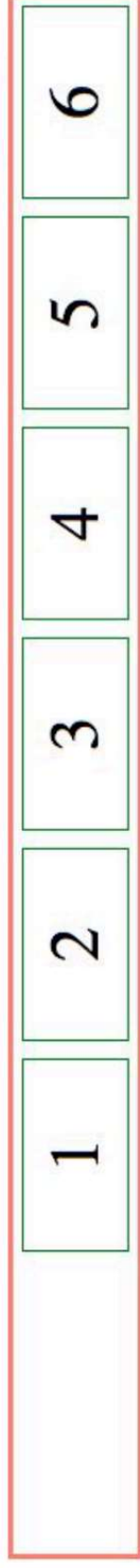
CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  justify-content: flex-end;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

Si alinea al final del div.

HTML

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```



# Flex Ejemplo 9 justify-content:flex-around

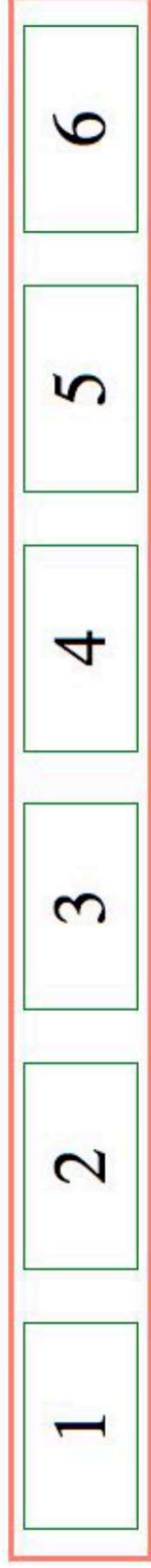
CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
  justify-content: flex-around;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}
```

html

```
<div class="flex">  
  <div>1</div>  
  <div>2</div>  
  <div>3</div>  
  <div>4</div>  
  <div>5</div>  
  <div>6</div>  
</div>
```

Pon atención a las diferentes maneras cómo configuramos “justified content”.



# Flex Ejemplo 10 - flex-grow

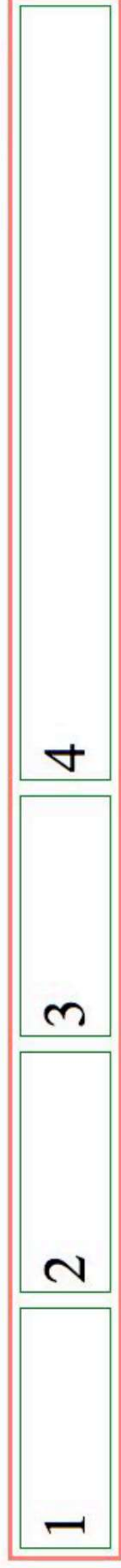
CSS

```
.flex {  
  display: flex;  
  border: 3px solid salmon;  
}  
  
.flex div {  
  border: 1px solid green;  
  width: 200px;  
  line-height: 50px;  
  text-align: center;  
  margin: 5px;  
  padding: 5px;  
  font-size: 40px;  
}  
  
.grow1 { flex-grow: 1; }  
.grow8 { flex-grow: 8; }
```

html

```
<div class="flex">  
  <div class="grow1">1</div>  
  <div class="grow1">2</div>  
  <div class="grow1">3</div>  
  <div class="grow8">4</div>  
</div>
```

Pon atención a las diferentes maneras  
cómo configuramos “justified content”.



# Flex Ejemplo 10-flex-flow

CSS

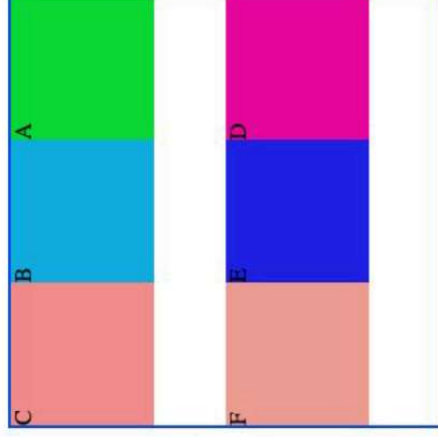
```
#example {
  display: flex;
  width: 300px;
  height: 300px;
  border: 2px solid #084ce0;
  flex-flow: row-reverse wrap;
}

<h1>flex-flow example</h1>

<div id="example">
  <div style="background-color:rgb(10, 216, 54);">A</div>
  <div style="background-color:rgb(17, 173, 225);">B</div>
  <div style="background-color:rgb(240, 140, 140);">C</div>
  <div style="background-color:rgb(230, 8, 156);">D</div>
  <div style="background-color:rgb(31, 34, 226);">E</div>
  <div style="background-color:rgb(238, 158, 144);">F</div>
</div>
```

## flex-flow example

```
#example div {
  width: 100px;
  height: 100px;
}
```



La propiedad flex-flow es una abreviación:  
flex-direction y flex-wrap.



# Flex Ejemplo 11-flex-basis

CSS

```
#example {
  width: 500px;
  height: 100px;
  border: 1px solid #c3c3c3;
  display: flex;
}
```

HTML

```
<h1>flex-basis</h1>
```

```
<p>
```

Set the initial length of the flex items to 100 pixels, with an exception; set the initial length of the third flex item to 200 pixels

```
</p>
```

```
<div id="example">
```

```
<div style="background-color:rgb(80, 98, 255);" >100px</div>
<div style="background-color:rgb(230, 173, 225);" >100px</div>
<div style="background-color:rgb(140, 240, 165);" >200px</div>
<div style="background-color:rgb(255, 192, 221);" >100px</div>
<div style="background-color:rgb(194, 241, 24);" >100px</div>
</div>
```

## flex-basis

Set the initial length of the flex items to 100 pixels, with an exception; set the initial length of the third flex item to 200 pixels



La propiedad flex-basis especifica el longitud de un elemento flexible

# Flex Ejemplo 12-align-self

css

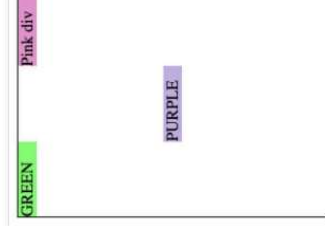
html

```
#example {
  width: 220px;
  height: 300px;
  border: 1px solid black;
  display: flex;
  align-items: flex-start;
}

#example div {
  flex: 1;
}

#purple-div {
  align-self: center;
}
```

```
<div id="example">
  <div style="background-color:rgb(80, 255, 95);">
    GREEN
  </div>
  <div style="background-color:rgb(197, 173, 230);" id="purple-div">
    PURPLE
  </div>
  <div style="background-color:rgb(238, 144, 208);">
    Pink div.
  </div>
</div>
```



# Flex Ejemplo 12-align-content

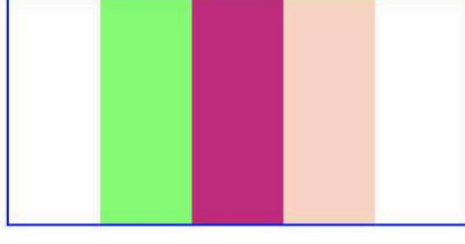
CSS

```
#example {  
  width: 100px;  
  height: 200px;  
  border: 1px solid #1906e6;  
  display: flex;  
  flex-wrap: wrap;  
  align-content: center;  
}  
  
#example div {  
  width: 100px;  
  height: 40px;  
}
```

html

```
<h1>align-content</h1>  
  
<div id="example">  
  <div style="background-color:rgb(80, 255, 95);"></div>  
  <div style="background-color:rgb(208, 11, 126);"></div>  
  <div style="background-color:rgb(255, 212, 192);"></div>  
</div>
```

## align-content



# Flex Ejemplo 13-flex-grow

CSS

```
#example {
  width: 500px;
  height: 100px;
  border: 1px solid #000;
  display: flex;
}

#example div:nth-of-type (1) { flex-grow: 1; }
#example div:nth-of-type (2) { flex-grow: 3; }
#example div:nth-of-type (3) { flex-grow: 3; }
#example div:nth-of-type (4) { flex-grow: 4; }
#example div:nth-of-type (5) { flex-grow: 5; }
```

html

```
<h1>flex-grow</h1>

<div id="example">
  <div style="background-color:rgb(80, 255, 168);"></div>
  <div style="background-color:rgb(233, 11, 145);"></div>
  <div style="background-color:rgb(200, 238, 10);"></div>
  <div style="background-color:rgb(243, 19, 57);"></div>
  <div style="background-color:rgb(3, 3, 201);"></div>
</div>
```

## flex-grow



# Flex Ejemplo 14-flex-shrink

CSS

```
#example {
  width: 500px;
  height: 100px;
  border: 1px solid #000;
  display: flex;
}

#example div {
  flex-grow: 1;
  flex-shrink: 1;
  flex-basis: 120px;
}

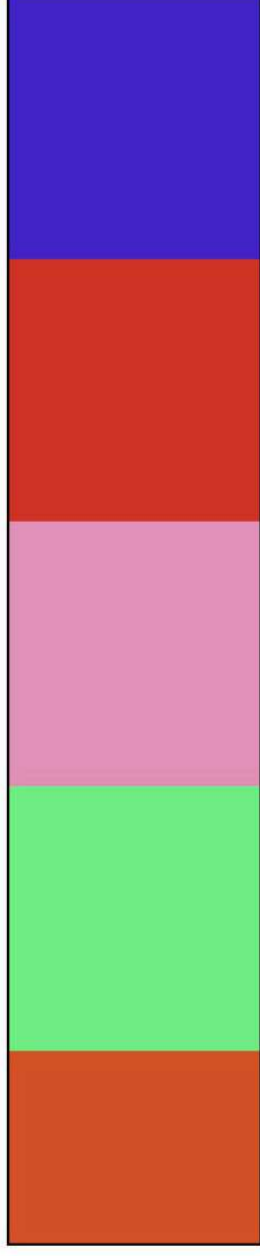
#example div:nth-of-type(1)
  flex-shrink: 3;
}
```

html

```
<h1>flex-shrink</h1>

<div id="example">
  <div style="background-color:rgb(230, 71, 14);" ></div>
  <div style="background-color:rgb(12, 244, 116);" ></div>
  <div style="background-color:rgb(240, 140, 187);" ></div>
  <div style="background-color:rgb(228, 20, 20);" ></div>
  <div style="background-color:rgb(75, 18, 208);" ></div>
</div>
```

## flex-shrink





# Flex Ejemplo 15-flex-order

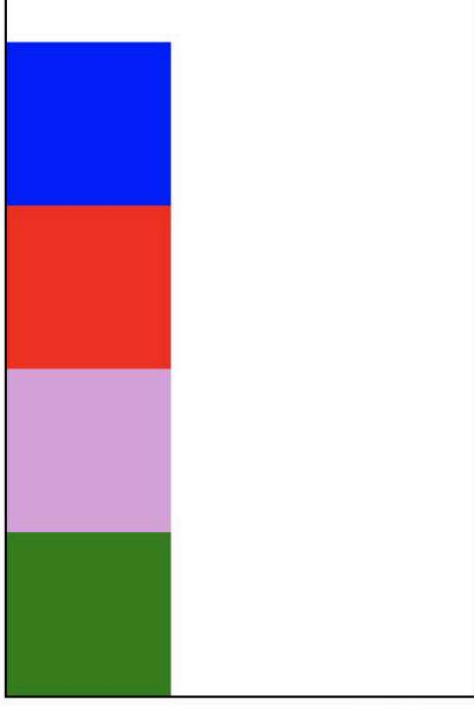
CSS

```
#example {  
  width: 300px;  
  height: 200px;  
  border: 1px solid #000;  
  display: flex;  
}  
  
#example div {  
  width: 70px;  
  height: 70px;  
}  
  
#blueDIV { order: 4; }  
#redDIV { order: 3; }  
#greenDIV { order: 1; }  
#plumDIV { order: 2; }
```

html

```
<h1>order</h1>  
<div id="example">  
  <div style="background-color:blue;" id="blueDIV"></div>  
  <div style="background-color:red;" id="redDIV"></div>  
  <div style="background-color:green;" id="greenDIV"></div>  
  <div style="background-color:plum;" id="plumDIV"></div>  
</div>
```

**order**





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¿Preguntas?