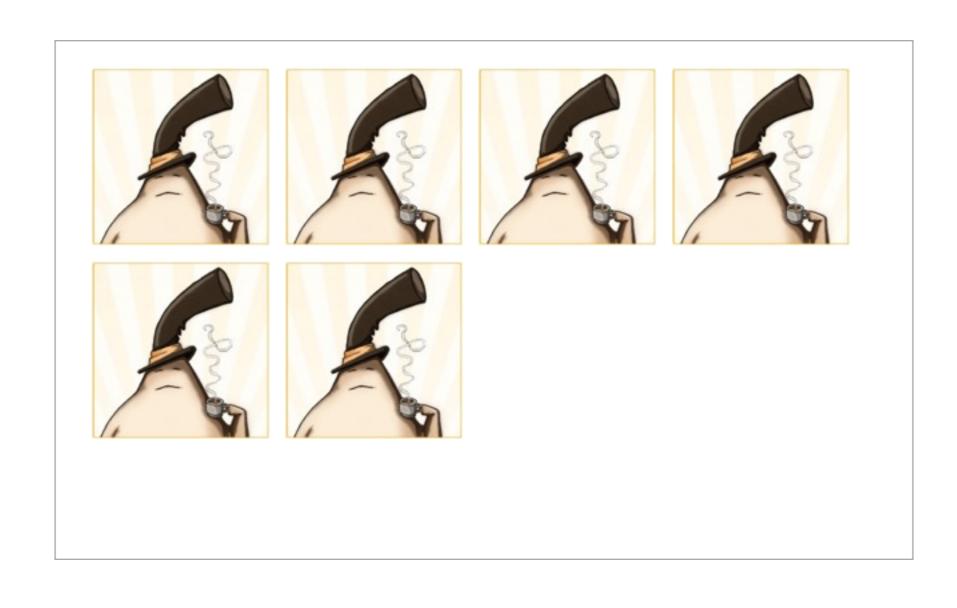
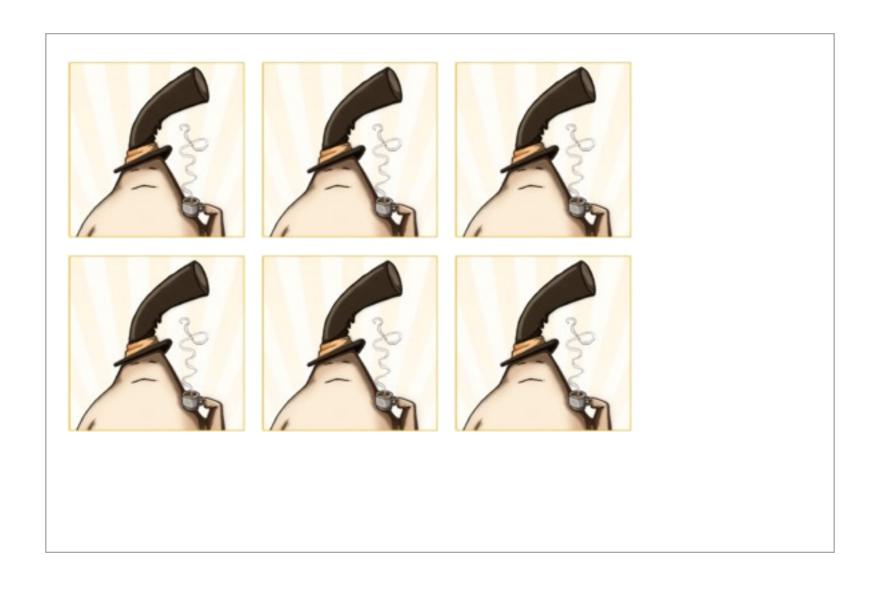


float:left













- Dificultad para organizar
- El posicionamiento visual depende del markup
- No puedes centrar
- No controlas las alturas en sistemas de columnas

table

```
display:table
```

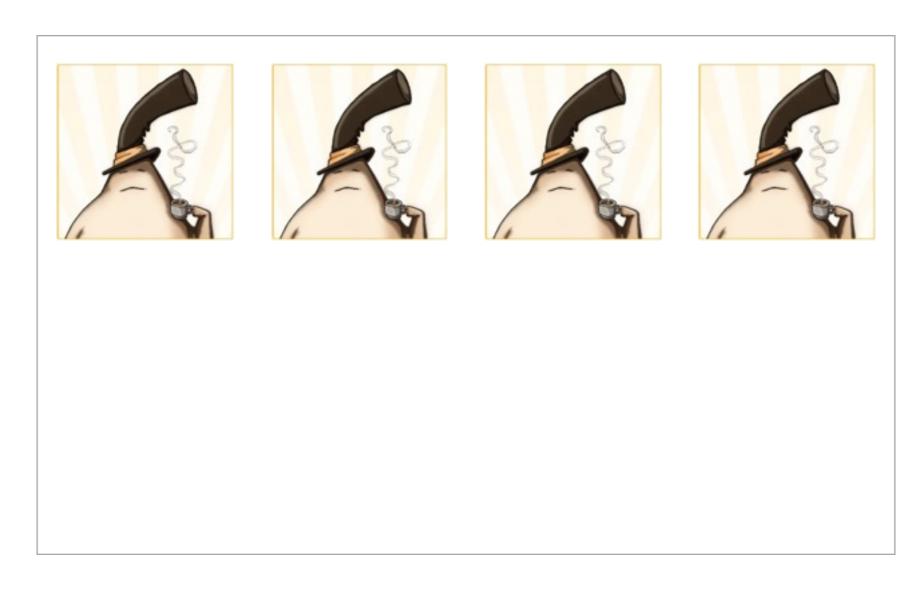
```
display:table-cell
```

display:table-row

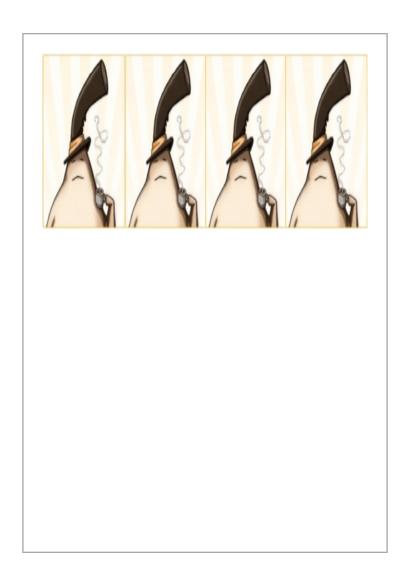
display:table-caption

• • •

display:table-cell



display:table-cell



display:flex

```
display:-ms-flexbox;
```

display:flex

```
display:-moz-flex;
```

```
display:-ms-flexbox;
```

display: flex

```
display:-webkit-flex;
display:-moz-flex;
display:-ms-flexbox;
display:flex
```

```
display:-webkit-box;
display:-webkit-flex;
display:-moz-flex;
display:-ms-flexbox;
display:flex
```

caniuse.com

Flexible Box Layout Module - CR

Global

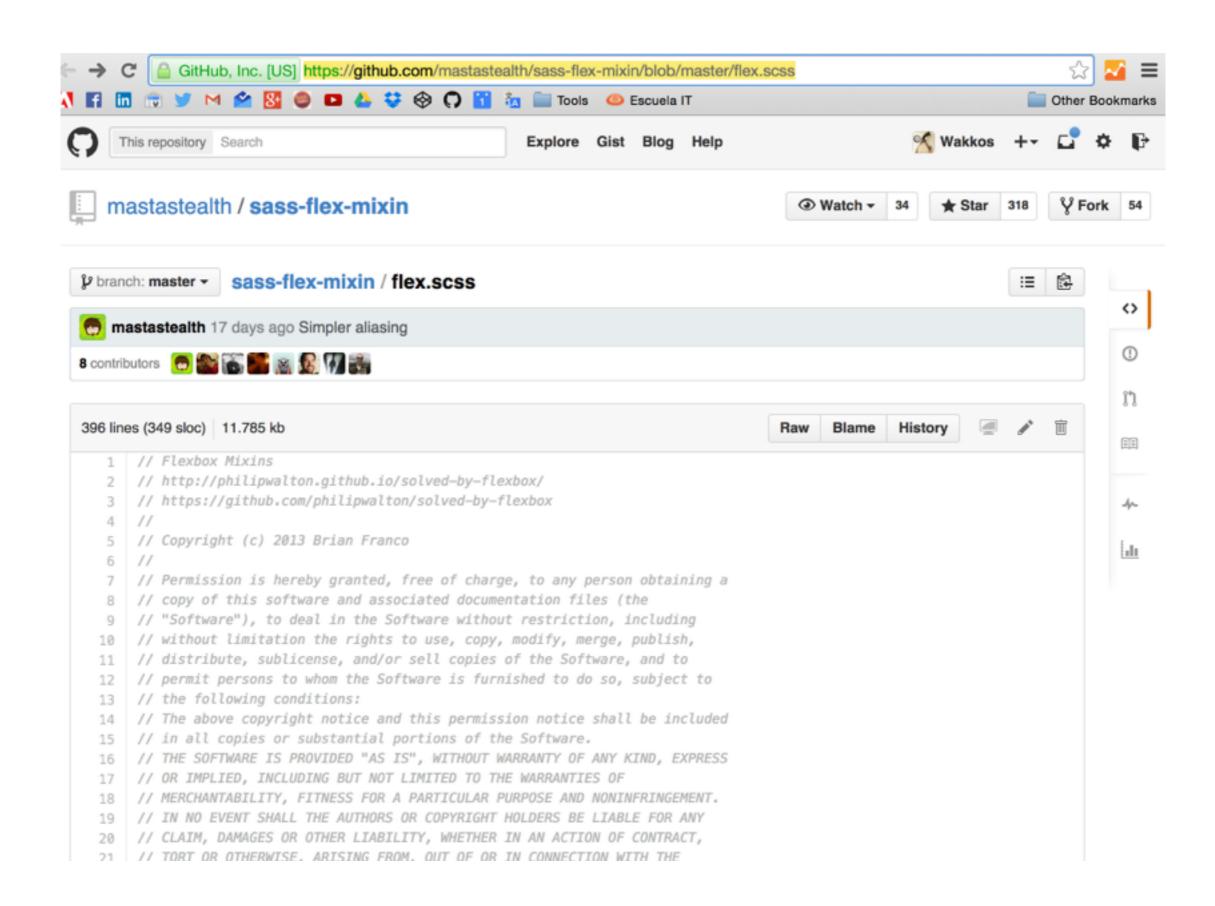
76.33% + 12.12% = 88.45%

unprefixed:

65.33% + 0.5% = 65.83%

Method of positioning elements in horizontal or vertical stacks.

C	urrent aligned	Usage relative	Show all						
IE		Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			31						
			33						
	8		35	5.1				4.1	
2	9	31	36	7 -		7.1		4.3	
	10	32	37	7.1		8 -		4.4	
	11	33	38	8 -	25	8.1	8	4.4.4	38
		34	39		26			37	
		35	40		27				
		36	41						



```
display:-webkit-box;
display:-webkit-flex;
display:-moz-flex;
display:-ms-flexbox;
display:flex
@include flexbox;
```

Provee una forma más eficiente de maquetar cubriendo espacios disponibles expandiendo elementos o encogiéndolos.

```
.container {
  display: flex;
}
```

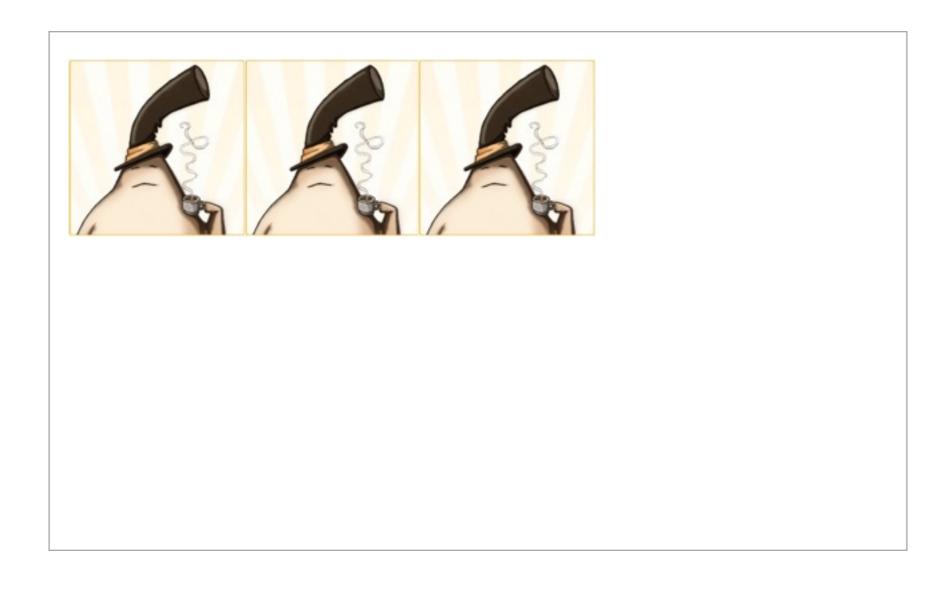
eje horizontal



```
.container {
   display: flex;
   justify-content: flex-start;
}

.item {
  }
```

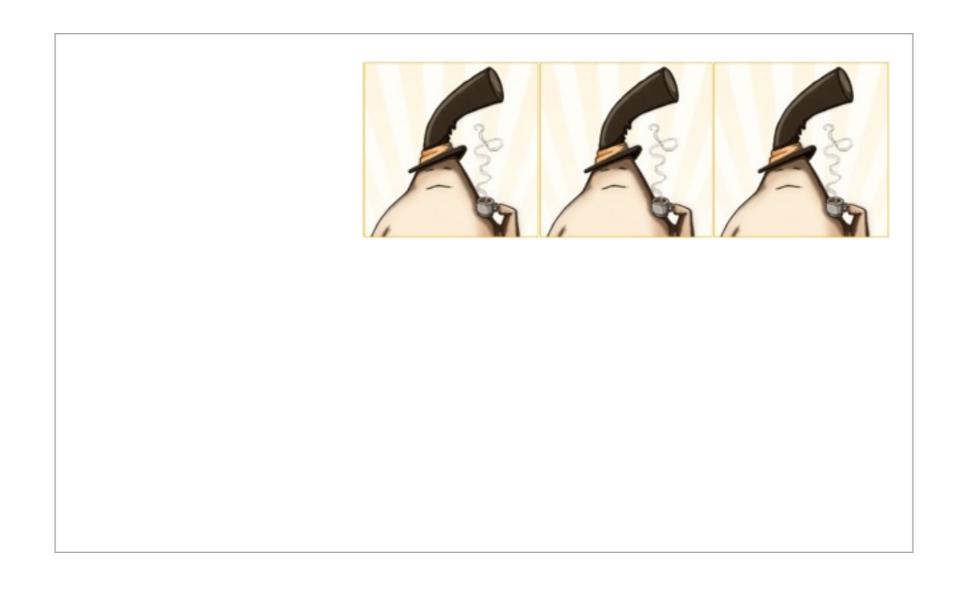
justify-content: flex-start



```
.container {
   display: flex;
   justify-content: flex-end;
}

.item {
  }
```

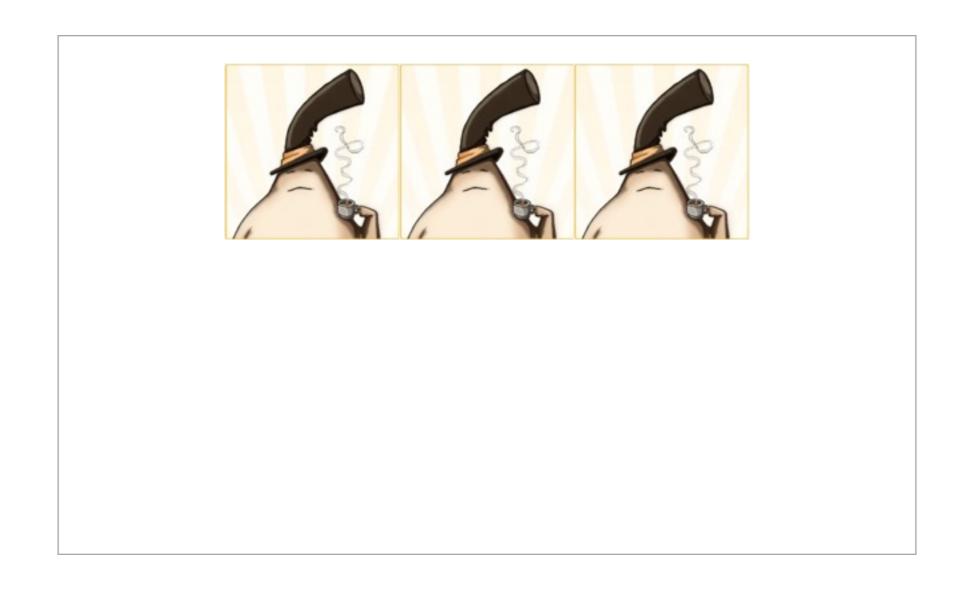
justify-content: flex-end



```
.container {
   display: flex;
   justify-content: center;
}

.item {
   }
```

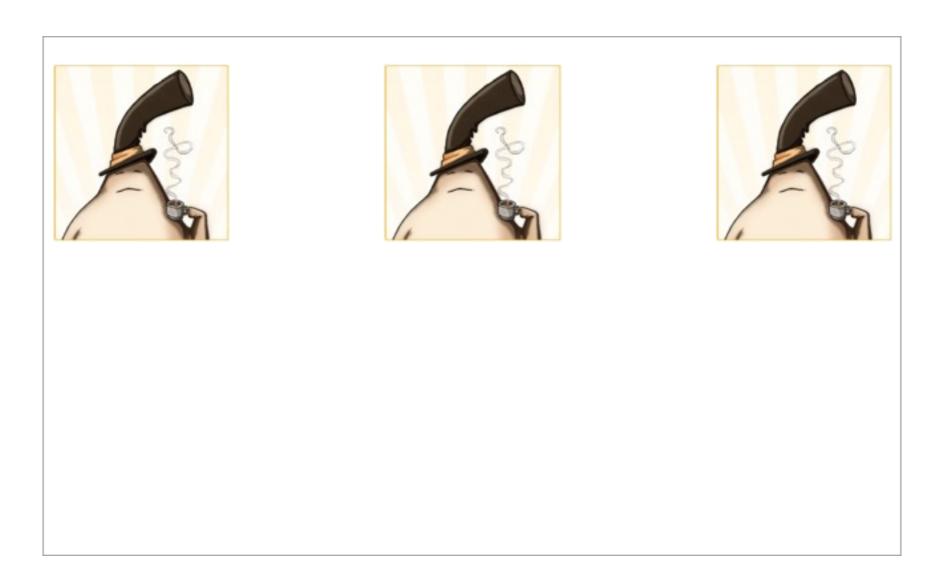
justify-content: center



```
.container {
   display: flex;
   justify-content: space-between;
}

.item {
  }
```

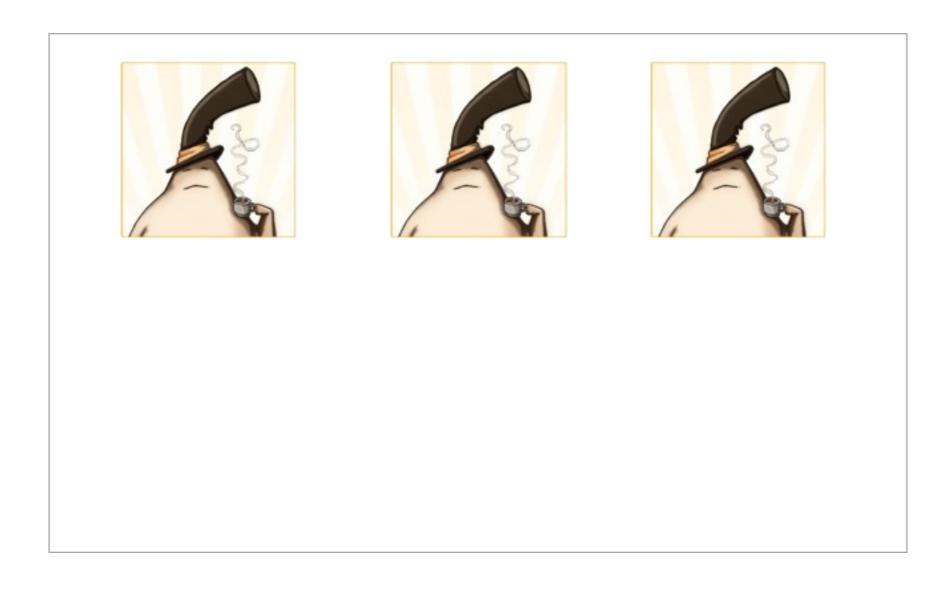
justify-content: space-between



```
.container {
   display: flex;
   justify-content: space-around;
}

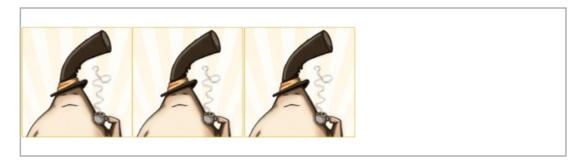
.item {
  }
```

justify-content: space-around



justify-content

justify-content: flex-start



justify-content: flex-end



justify-content: center



justify-content: space-between







justify-content: space-around

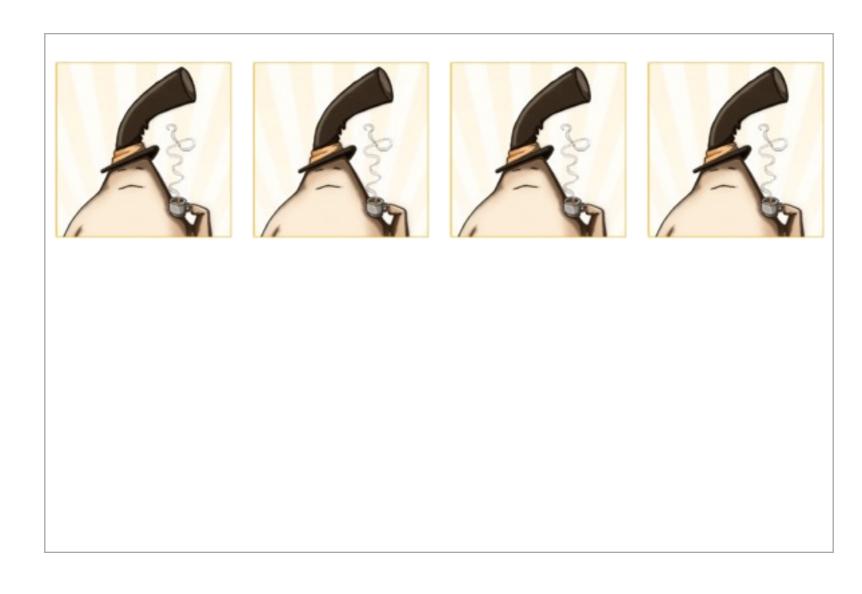




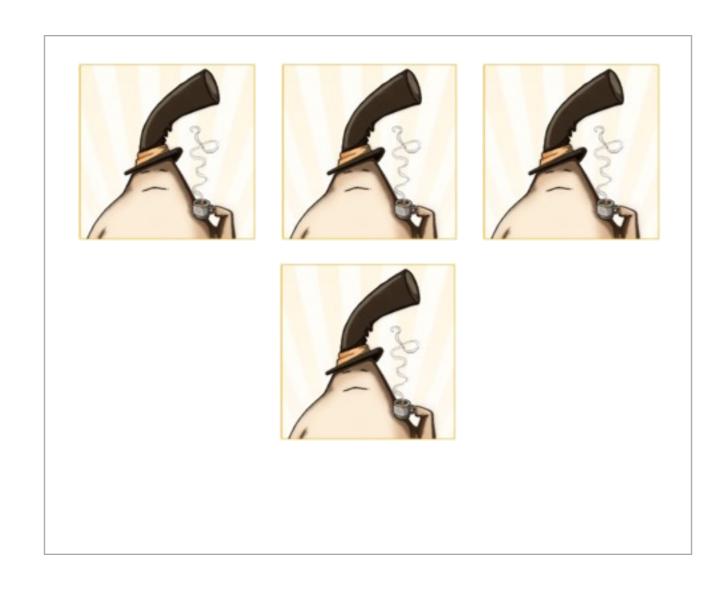


```
.container {
 display: flex;
 justify-content: space-around;
 flex-wrap: wrap;
  .item {
   width: 200px;
```

flex-wrap



flex-wrap



eje vertical



```
.container {
   display: flex;
   justify-content: flex-end;
   align-items: flex-start; // default
}
.item {
```

align-items: flex-start



El Mariachi

José Dimas es fundador de Ockham Ti, empresa de desarrollo de software, app móviles, videojuegos y cursos. Profesor de universidad. Ha trabajado en varias universidades de El Caribe, México y de EscuelalT.



Wakkos

I create scalable and robust CSS, focusing in maintainability. I Apply DRY rules and some OOCSS (Not every time, CSS is still cascade) and I always comment my CSS with BEM comments.

I usually attach myself to these rules and guidelines when coding CSS.

I use CSS frameworks, (not design frameworks like Bootstrap/Foundation or similar). I believe a framework should do your work easier, it is not meant to do ALL the work: Every project evolves in a different way and depending on its path.



El Padrino

```
.container {
 display: flex;
 justify-content: flex-end;
 align-items: flex-end;
 .item {
```

align-items: flex-end



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```
.container {
 display: flex;
 justify-content: flex-end;
 align-items: center;
 .item {
```

align-items: center



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```
.container {
 display: flex;
 justify-content: flex-end;
 align-items: stretch;
 .item {
```

align-items: stretch



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El Padrino

propiedades de hijos

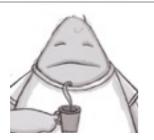
```
.item {
  width: 200px;
}
```

```
.container {
 display: flex;
  .item {
   width: 200px;
   order: 0;
   flex-grow: 0;
   flex-shrink: 0;
   align-self: auto;
   flex-basis: auto;
```

```
display: flex;
.mariachi {
  width: 200px;
  order: 1;
  flex-grow: 0;
  flex-shrink: 0;
  align-self: auto;
  flex-basis: auto;
```

.container {

markup order: 2



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markup order: 3



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markup order: 1

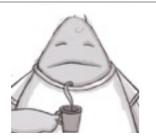


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order: 1;

markup order: 2



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markup order: 1



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order: -1;

```
.container {
 display: flex;
  .mariachi {
   width: 200px;
   order: 0;
   flex-grow: 2;
   flex-shrink: 0;
   align-self: auto;
   flex-basis: auto;
```



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flex-grow: 2;



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El Padrino

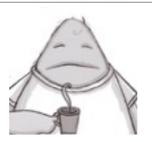
```
.container {
 display: flex;
  .mariachi {
   width: 200px;
   order: 0;
   flex-grow: 0;
   flex-shrink: 0;
   align-self: flex-end;
   flex-basis: auto;
```

align-self: flex-end;



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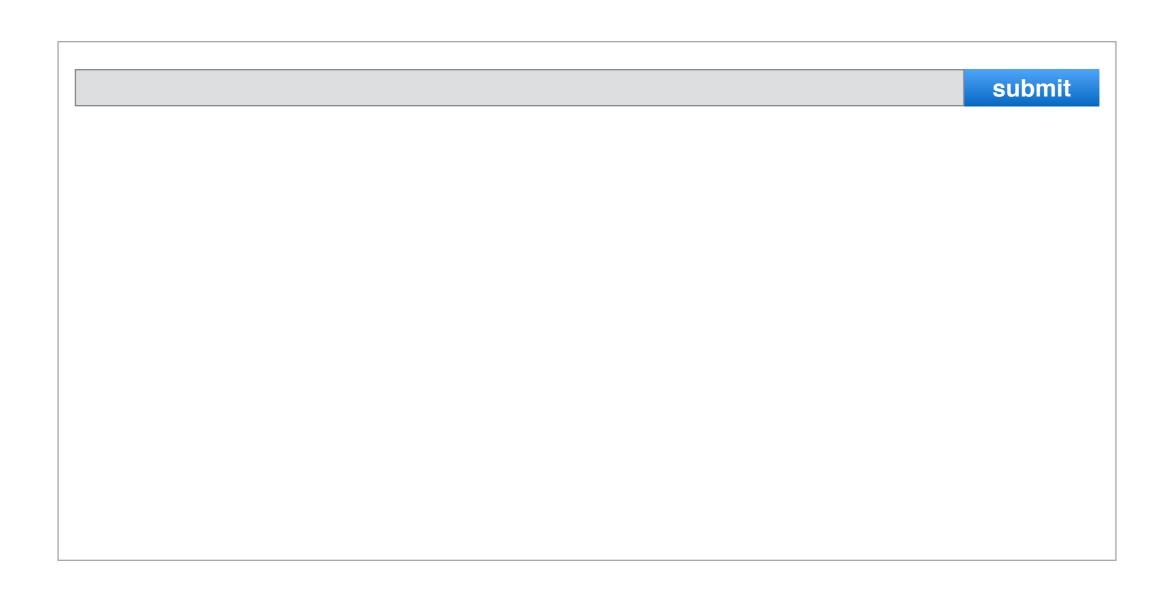
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align-self: stretch;

```
.form {
 display: flex;
  input[type=text] {
   width: 100%;
  input[type=submit] {
   flex-basis: 100px;
```





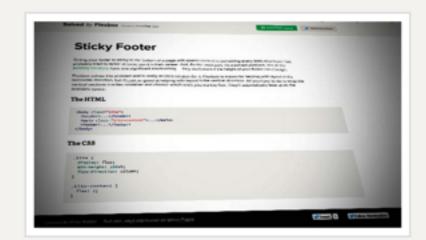
Solved by Flexbox



Better, Simpler Grids

Flexbox gives us most of the features we want from a grid system out of the box.

And sizing and alignment are just one or two properties away.



Sticky Footer

Getting your footer to stick to the bottom of sparsely contented pages has always been tricky. And if the footer's height is unknown, it's basically impossible. Not so anymore.



The Media Object

Create media objects with fixed or varying figure sizes without worrying about overflow, clearfixing, or block formatting context hacks.



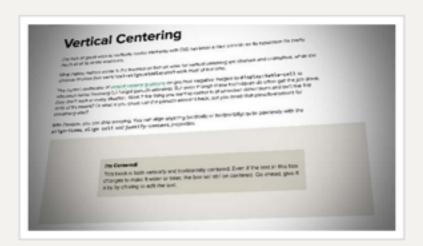
Holy Grail Layout

This classic problem has been challenging CSS hackers for years, yet none of the historical solutions have fully solved it. With Flexbox, it's finally possible.



Input Add-ons

Creating full-width, fluid input/button pairs has been impossible for most of the history of CSS. With Flexbox it couldn't be easier.



Vertical Centering

A lack of proper vertical centering has been the butt of almost every CSS joke ever told. While it's technically always been mostly possible, it's never been very intuitive — until now. HOME S'MORES BUILDER



THROW A PARTY TUMBLE

S'MORES BUILDER

This is your chance to get creative. As long as you have a roasted marshmallow sandwiched between something with some chocolate added, I say you got a s'mores. So pick your frame, marshmallow, and candy, add an optional accessory or two, and build a crazy s'mores concoction.

FRAME

- graham crackers
- cinnamon grahams
- chocolate grahams
- Fudge Stripe cookies
- Oreos
- chocolate chip cookies
- Ritz crackers

MARSHMALLOW

- plain marshmallow
- chocolate 'mallow
- strawberry 'mallow
- giant 'mallow

CANDY

- Hershey's chocolate
- dark chocolate
- chocolate with almonds
- Nutella
- Reese's P.B. Cup
- white chocolate