

The background is white with several decorative elements. In the top-left, there is a large teal circle with a white center, a smaller solid teal circle to its right, and a dashed teal circle to its left. In the top-right, there is a large lime green circle, a smaller solid lime green circle to its right, and a dashed lime green circle to its left. In the bottom-left, there is a large green circle with a white center, a smaller solid green circle to its right, and a dashed green circle to its left. In the bottom-right, there is a large yellow circle with a white center, a smaller solid yellow circle to its right, and a dashed yellow circle to its left. A large, faint dashed blue circle is centered on the page, passing through the centers of the teal, lime green, green, and yellow circles. The text "HTML + CSS" is centered in the middle of the page in a grey, monospace-style font.

# HTML + CSS



VIII

Episodio VIII

Flexbox



# ¿Hace cuánto que existe la flotación?

Desde la especificación de CSS2 - Noviembre 1997

¿Quiénes siguen usando la flotación?



Todos flotan  
Georgie,  
todos flotan!

## Float, el MALDITO float!

Anterior

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In sit amet feugiat justo, vitae feugiat purus. Vivamus aliquam ligula at ornare dignissim. Ut imperdiet rutrum tincidunt. Phasellus rhoncus eros auctor porta vulputate.

Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis posuere nibh massa, nec sollicitudin eros vestibulum non. Aliquam pellentesque pharetra tortor ut feugiat. Donec vitae gravida nunc, eget tincidunt magna. Aliquam accumsan et justo quis porttitor.

Siguiente

```
.anterior{  
    float: left;  
}  
  
.siguiente{  
    float: right;  
}
```

## Float, el MALDITO float!

[Anterior](#)

[Siguiente](#)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In sit amet feugiat justo, vitae feugiat purus. Vivamus aliquam ligula at ornare dignissim. Ut imperdiet rutrum tincidunt. Phasellus rhoncus eros auctor porta vulputate.

Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis posuere nibh massa, nec sollicitudin eros vestibulum non. Aliquam pellentesque pharetra tortor ut feugiat. Donec vitae gravida nunc, eget tincidunt magna. Aliquam accumsan et justo quis porttitor.

```
.nav{  
  overflow: hidden;  
}
```



# Flexbox - CSS3



Soporte actual!

## CSS Flexible Box Layout Module - CR

Method of positioning elements in horizontal or vertical stacks. Support includes all properties prefixed with **flex**, as well as **display: flex**, **display: inline-flex**, **align-content**, **align-items**, **align-self**, **justify-content** and **order**.

|             |        |   |        |   |        |
|-------------|--------|---|--------|---|--------|
| Global      | 85.95% | + | 11.78% | = | 97.74% |
| unprefixed: | 85.68% | + | 3.08%  | = | 88.76% |
| Argentina   | 91.92% | + | 3%     | = | 94.91% |
| unprefixed: | 91.8%  | + | 2.11%  | = | 93.9%  |

| Current aligned | Usage relative | Date relative | Show all |        |       |              |              |                   |                    |
|-----------------|----------------|---------------|----------|--------|-------|--------------|--------------|-------------------|--------------------|
| IE              | Edge *         | Firefox       | Chrome   | Safari | Opera | iOS Safari * | Opera Mini * | Android Browser * | Chrome for Android |
|                 |                |               | 49       |        |       | 10.2         |              |                   |                    |
|                 |                | 55            | 60       | 10.1   | 47    | 10.3         |              | 4.4               |                    |
| 4 11            | 15             | 56            | 61       | 11     | 48    | 11           | all          | 56                | 61                 |
|                 | 16             | 57            | 62       | TP     | 49    |              |              |                   |                    |
|                 |                | 58            | 63       |        | 50    |              |              |                   |                    |
|                 |                | 59            | 64       |        |       |              |              |                   |                    |

<http://caniuse.com/#search=flexbox/>

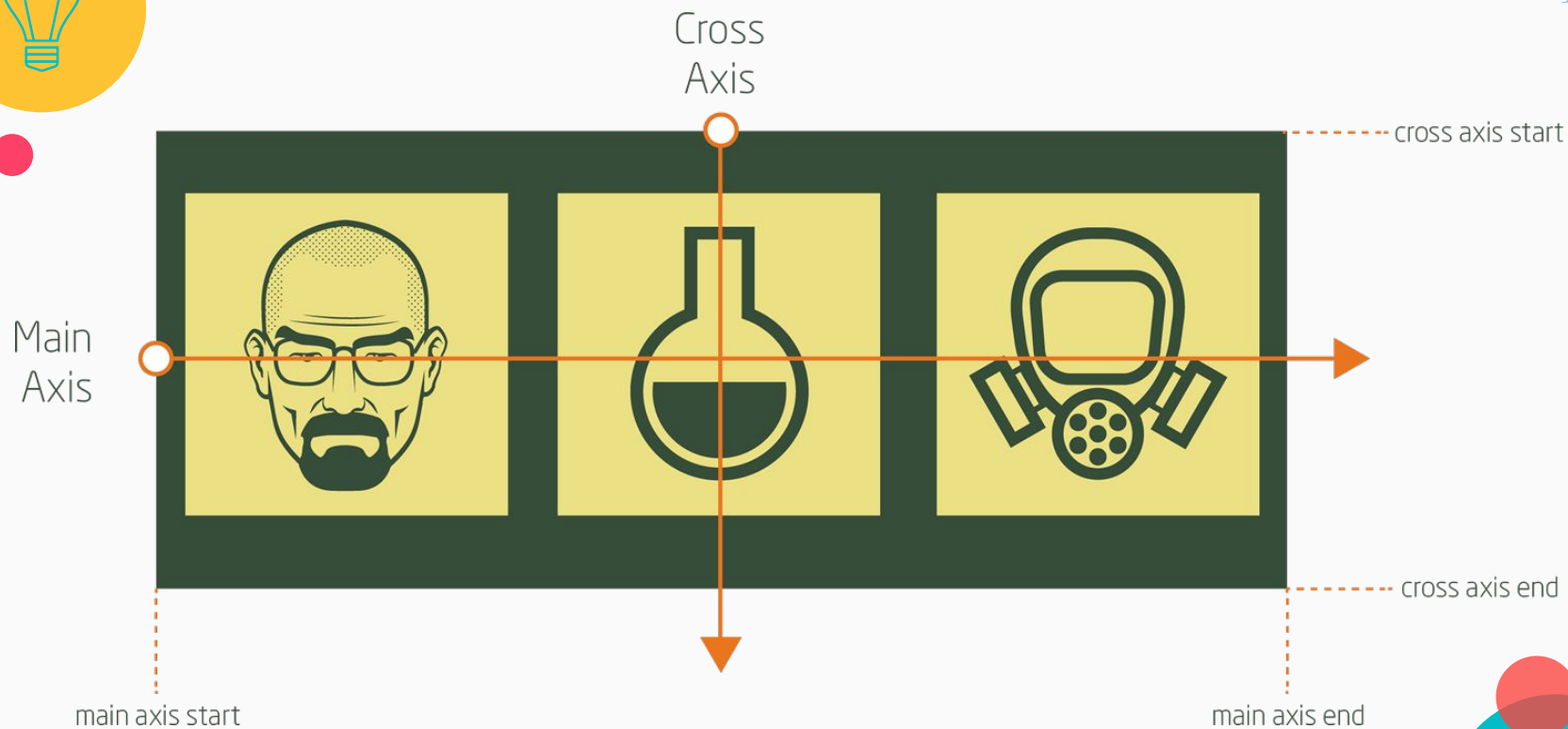


Flex Container

```
display: flex;
```

ó

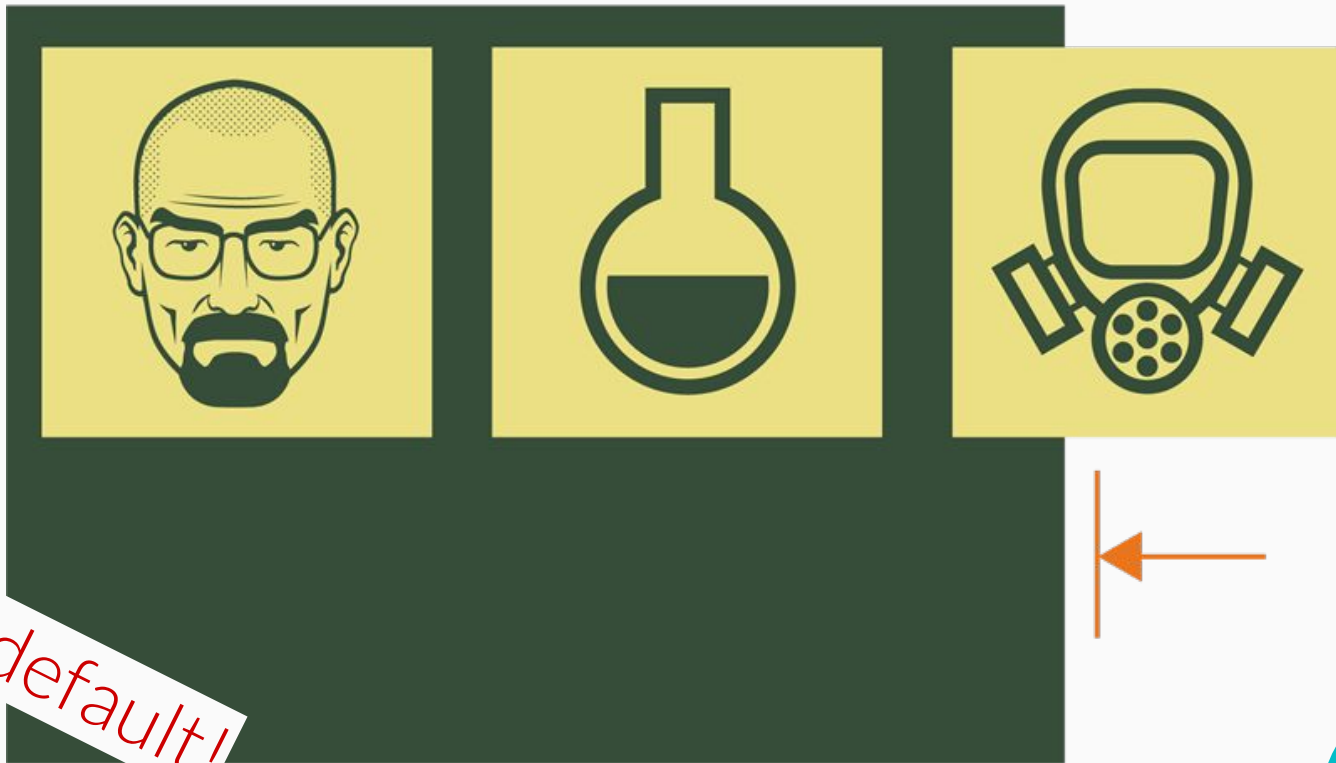
```
display: inline-flex;
```



Lo primero. Hacer que el container  
respete los anchos de sus hijos!

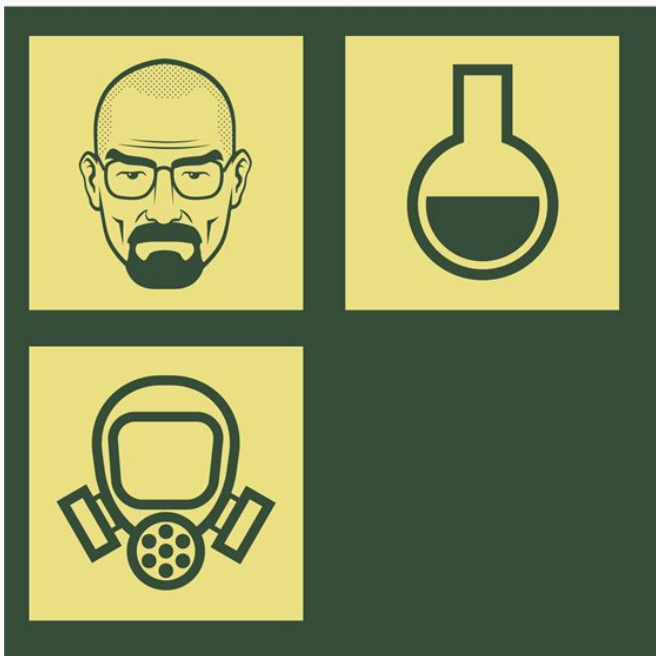
Si, hablamos del wrap.

`flex-wrap: nowrap;`



*default!*

flex-wrap: wrap;



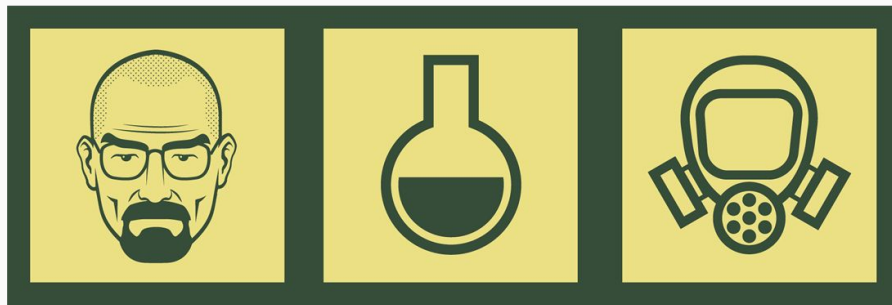
flex-wrap: wrap-reverse;



# ¿Queremos crear Filas o Columnas?

Ok, Flexbox lo puede.

`flex-direction: row;`



default!

`flex-direction: row-reverse;`





flex-direction: column;



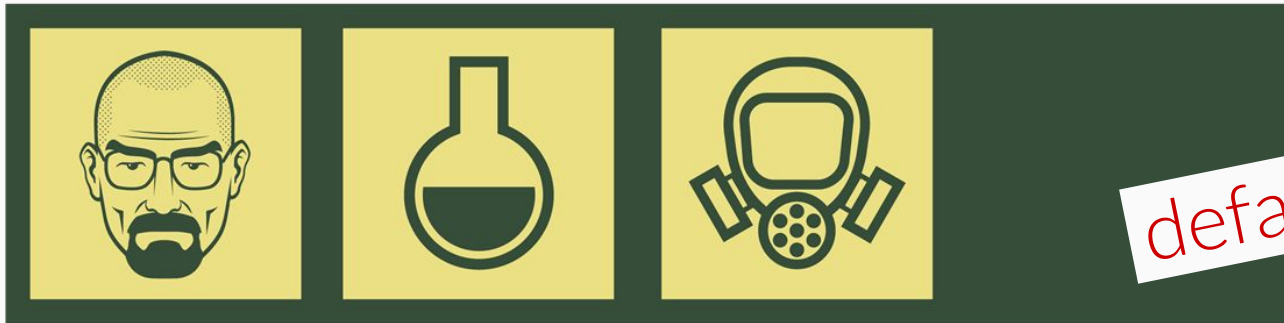
flex-direction: column-reverse;



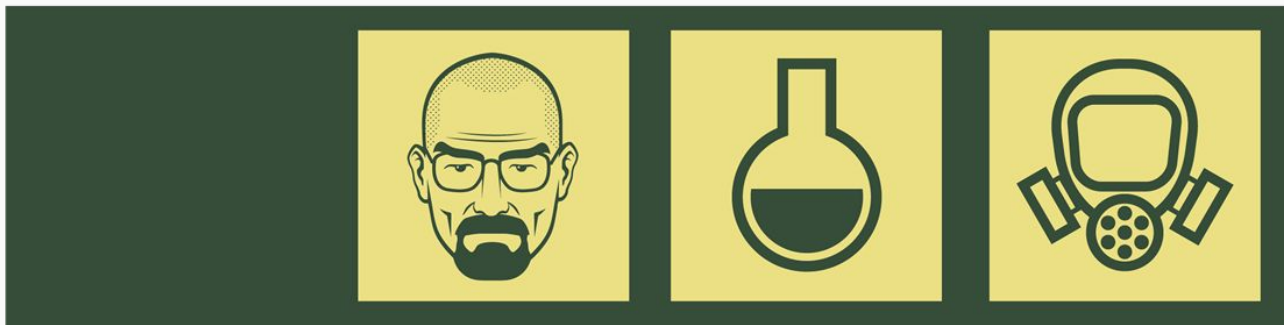
# ¿Necesitamos alinear el contenido en el **main-axis**?

Ok, Flexbox lo tiene.

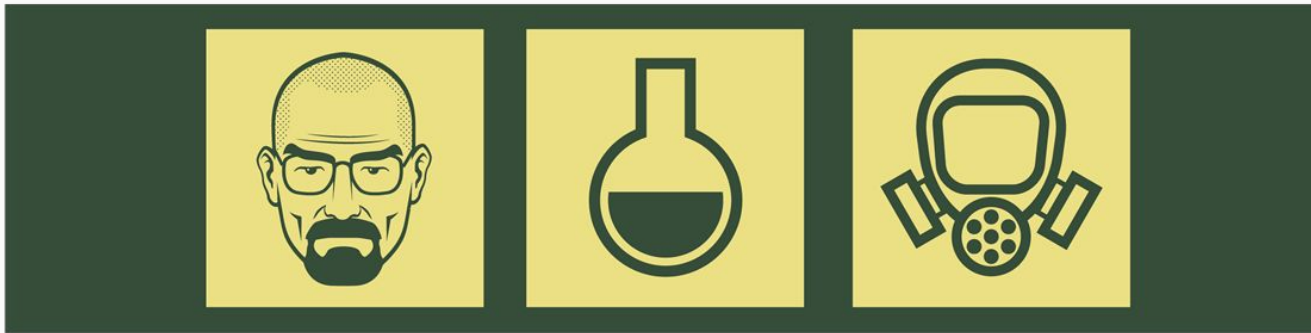
`justify-content: flex-start;`



`justify-content: flex-end;`



`justify-content: center;`



`justify-content: space-between;`



justify-content: space-around;

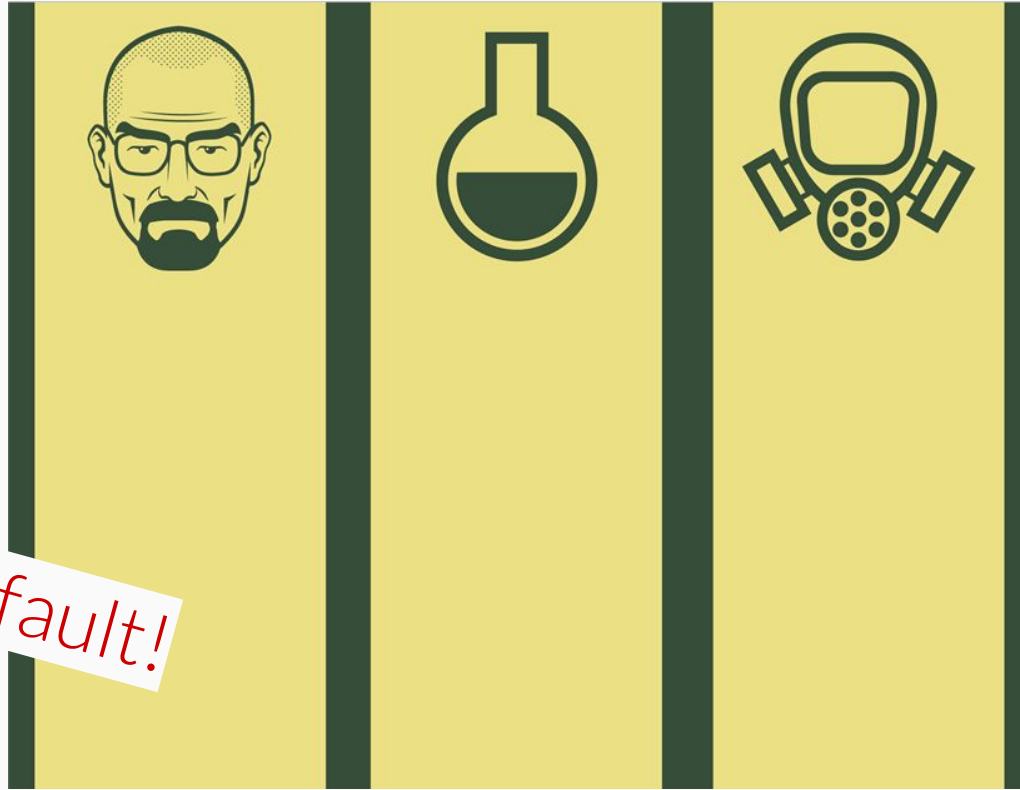


Y ¿con el **cross-axis** puedo hacer algo?

Off course, Flexbox lo puede.

align-items: stretch;

23



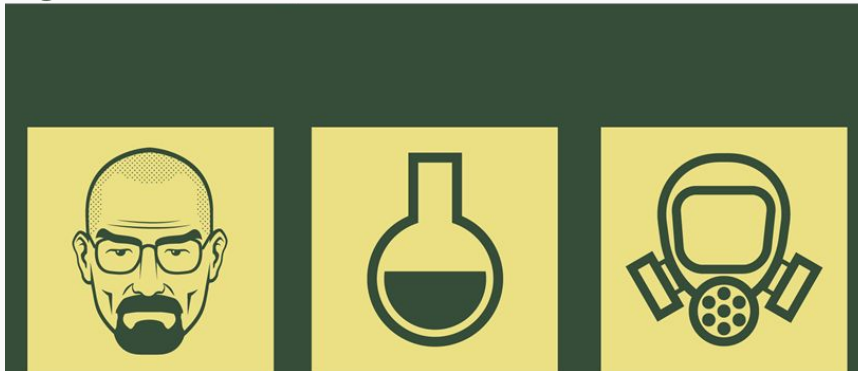
default!



`align-items: flex-start;`

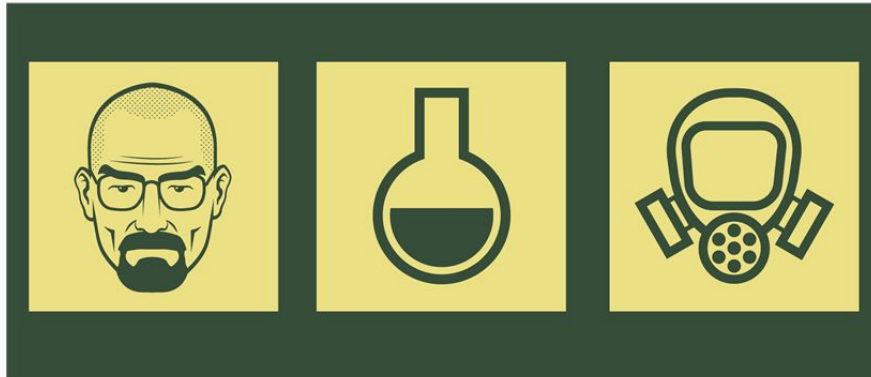


`align-items: flex-end;`

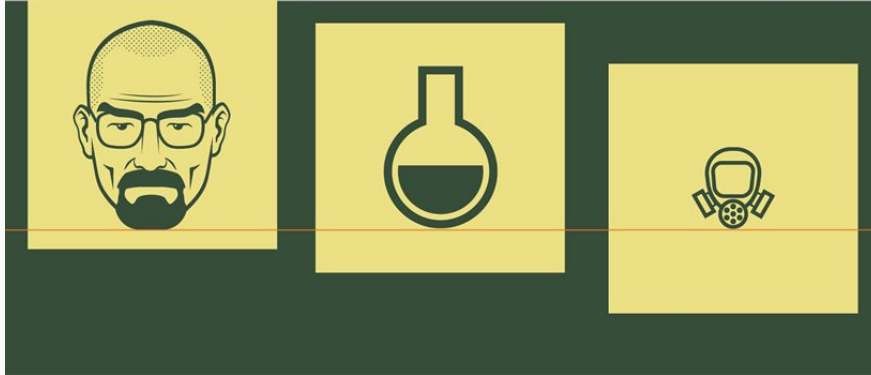




`align-items: center;`



`align-items: base-line;`



# Wonderful, pero ¿y qué pasa con los **flex-items**?

Don't worry, Flexbox se la re banca.

## ORDER



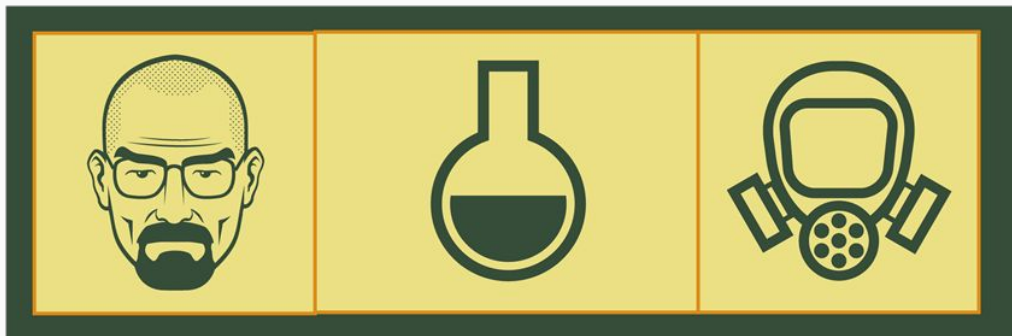
```
.walt{order: 3;}  
.pipe{order: 1;}  
.mask{order: 2;}
```



## FLEX-GROW

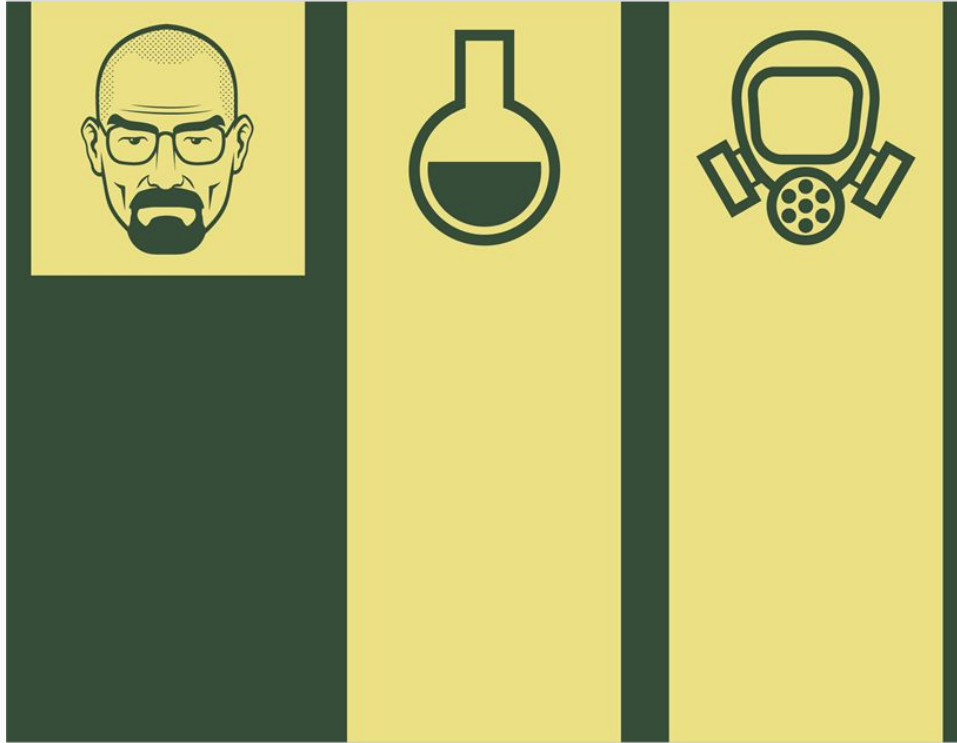


```
.pipe{flex-grow: 1;}
```

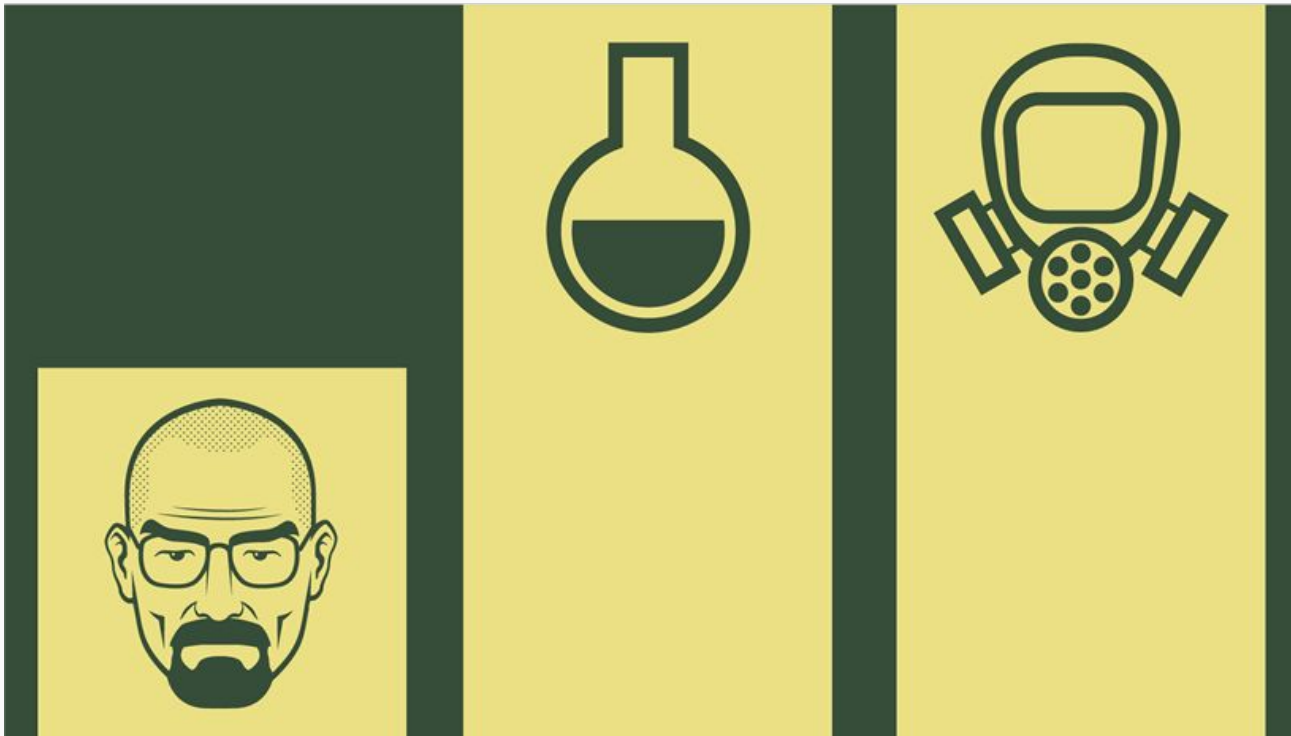


## ALIGN-SELF

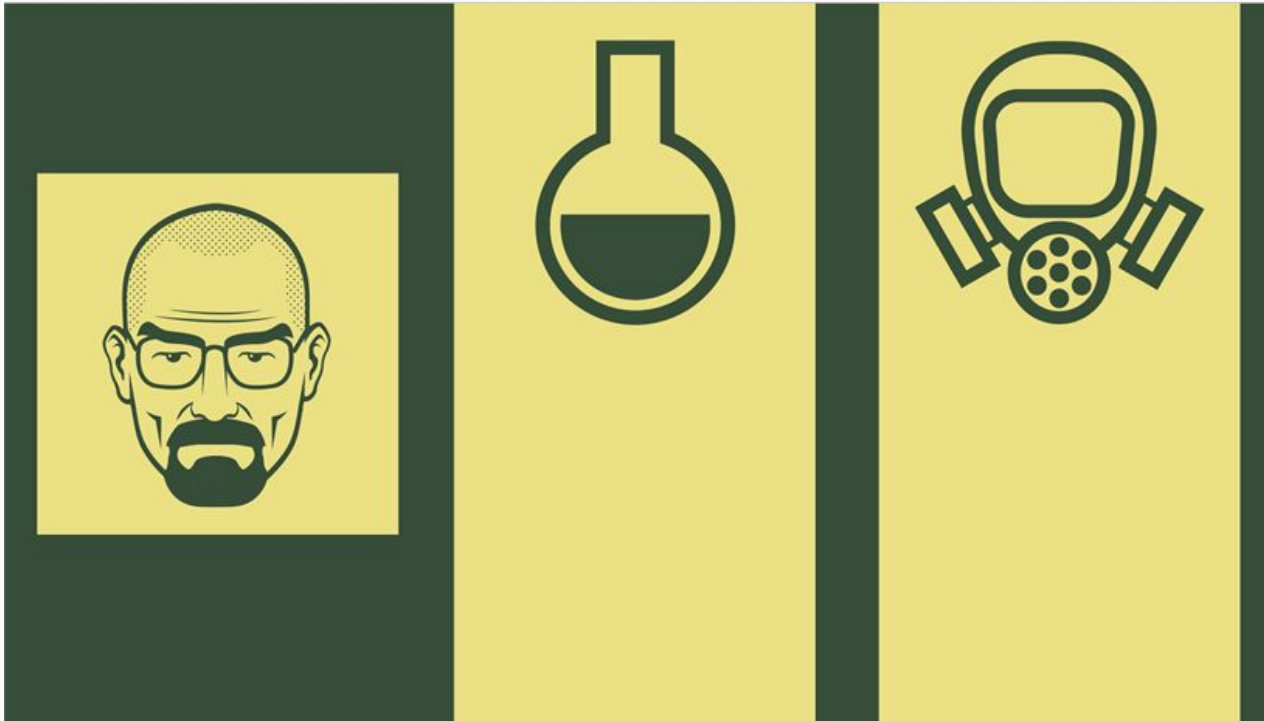
```
.walt{align-self: flex-start;}
```



```
.walt{align-self: flex-end;}
```



```
.walt{align-self: center;}
```





¡¡¡¡ A practicar !!!!  
MAQUETACIÓN CON FLEXBOX, ¡YEA!



Gracias!



¿Consultas?