

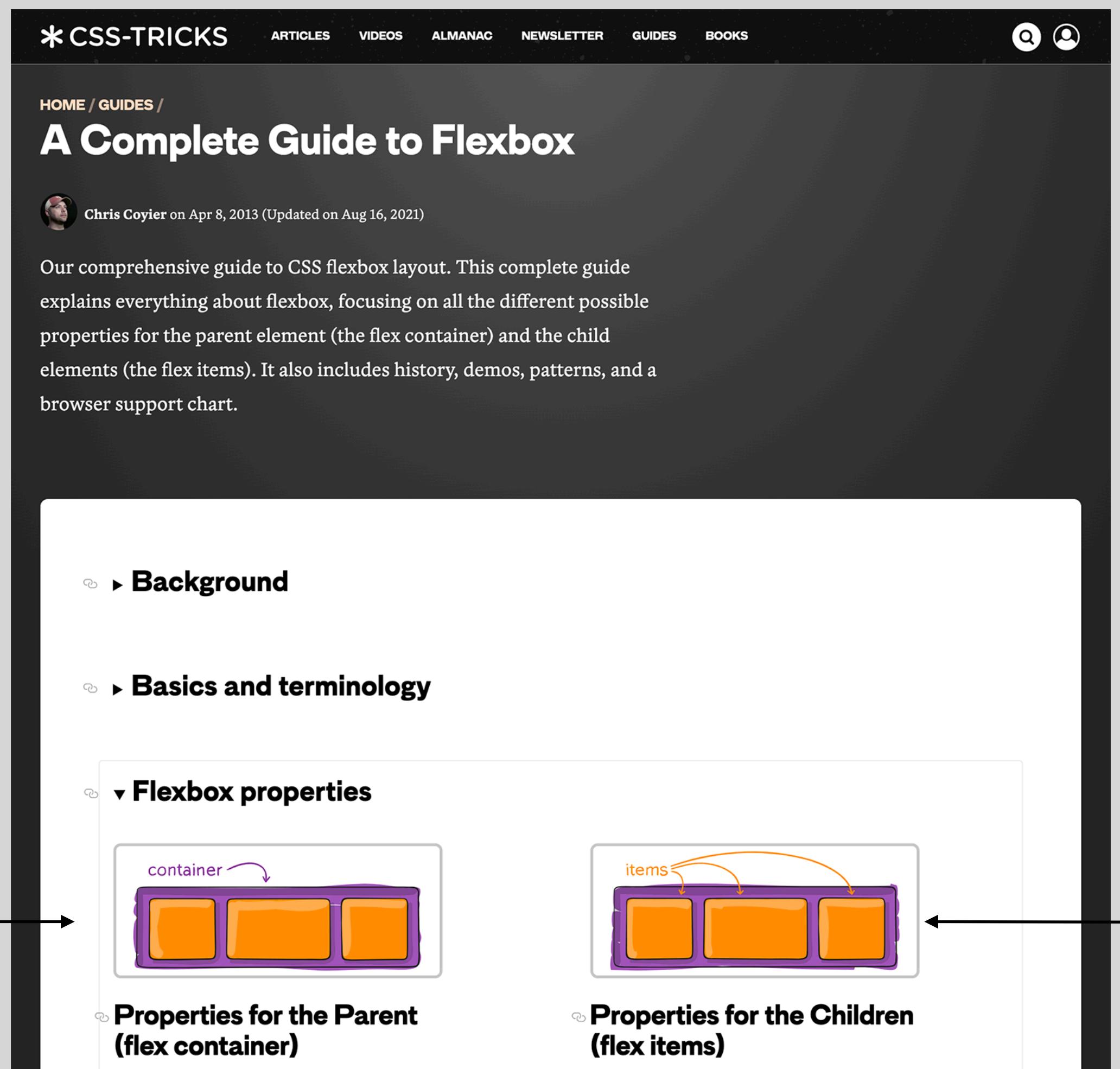
#4 FLEXBOX

intro

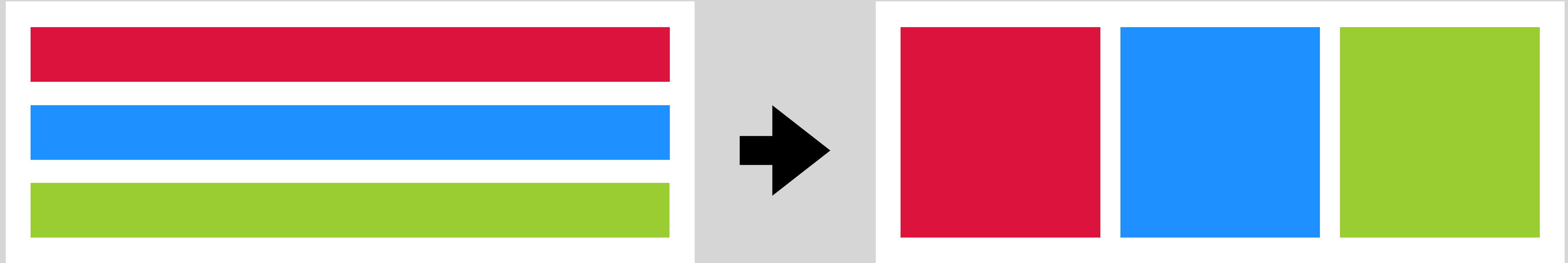
Dé bron der bronnen

Het naslagwerk met alles over Flexbox:

css-tricks.com/snippets/css/a-guide-to-flexbox



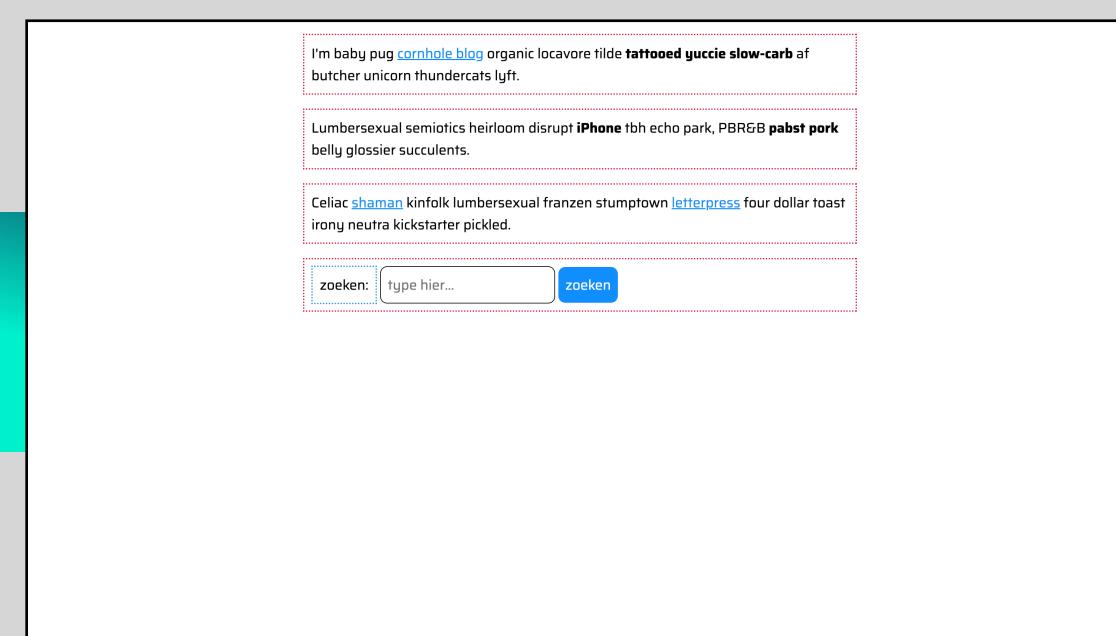
Items naast elkaar flex-en :-)



Block elementen staan van nature onder elkaar

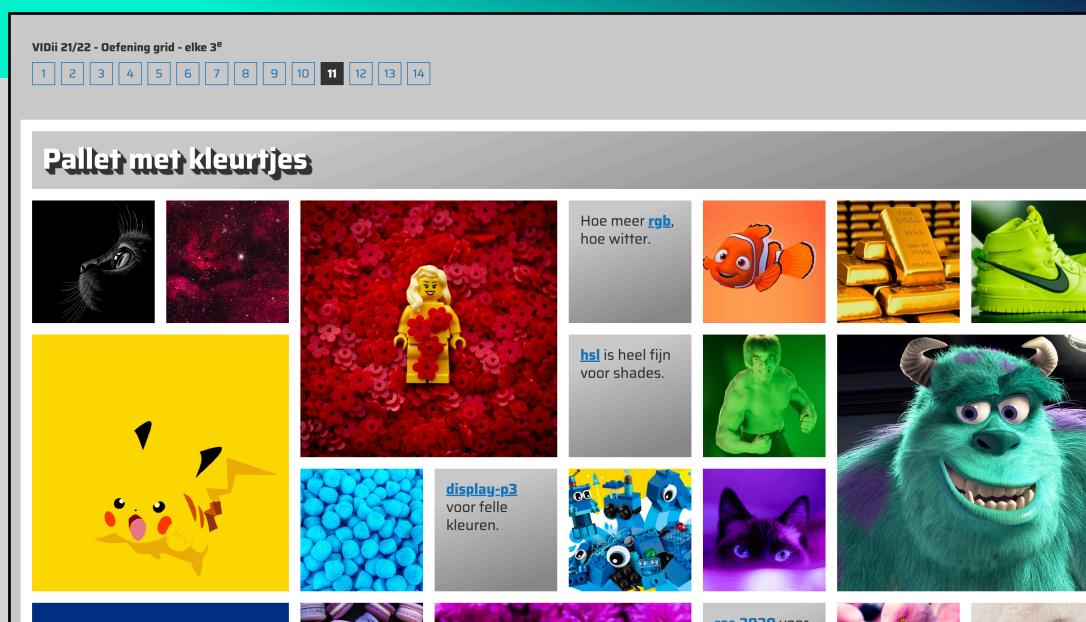
Met flexbox kun je die naast elkaar zetten
(...en nog veel meer :-)

Layout overview



Standaard: flow layout

Block-elementen onder elkaar
Inline-elementen naast elkaar

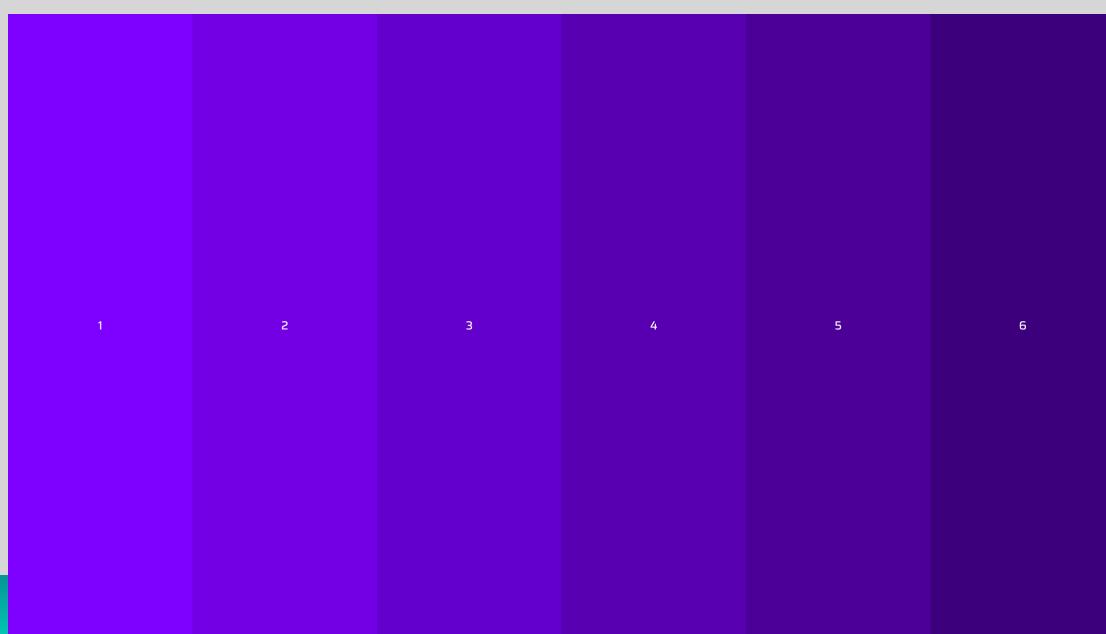


Display grid

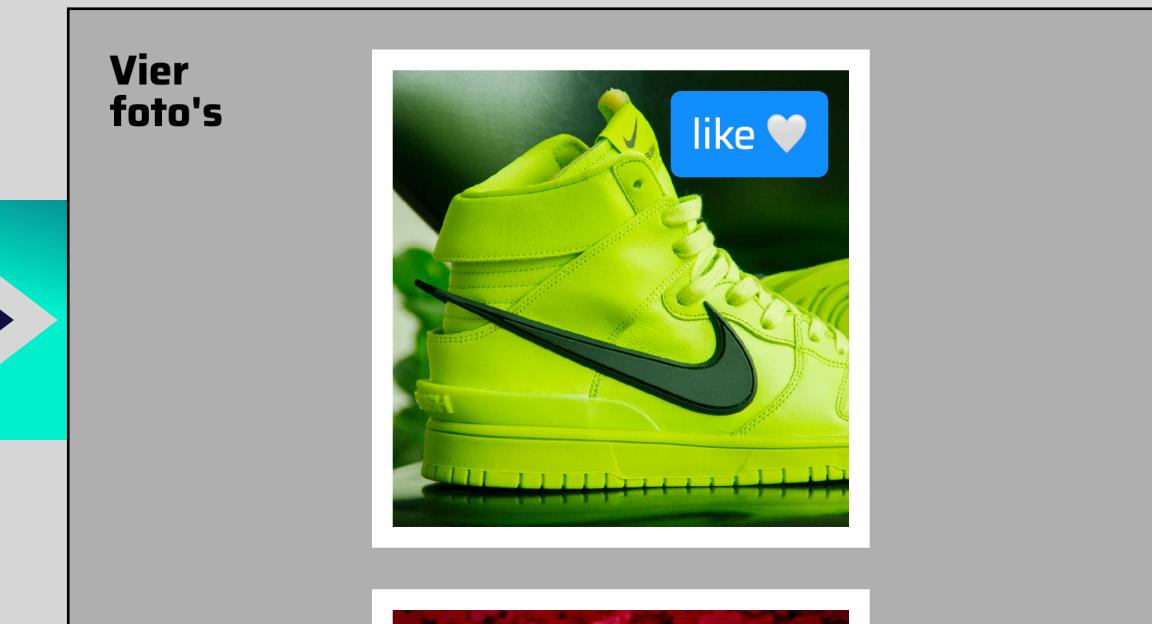
Voor de parent (in twee dimensies)
een grid definiëren. De kinderen
vullen de gridcellen.

Display flex

Elementen naast elkaar zetten. De
kinderen vullen de parent flexibel
(over meer rijen indien nodig).



Vandaag



Margin, padding,
translate, transform...

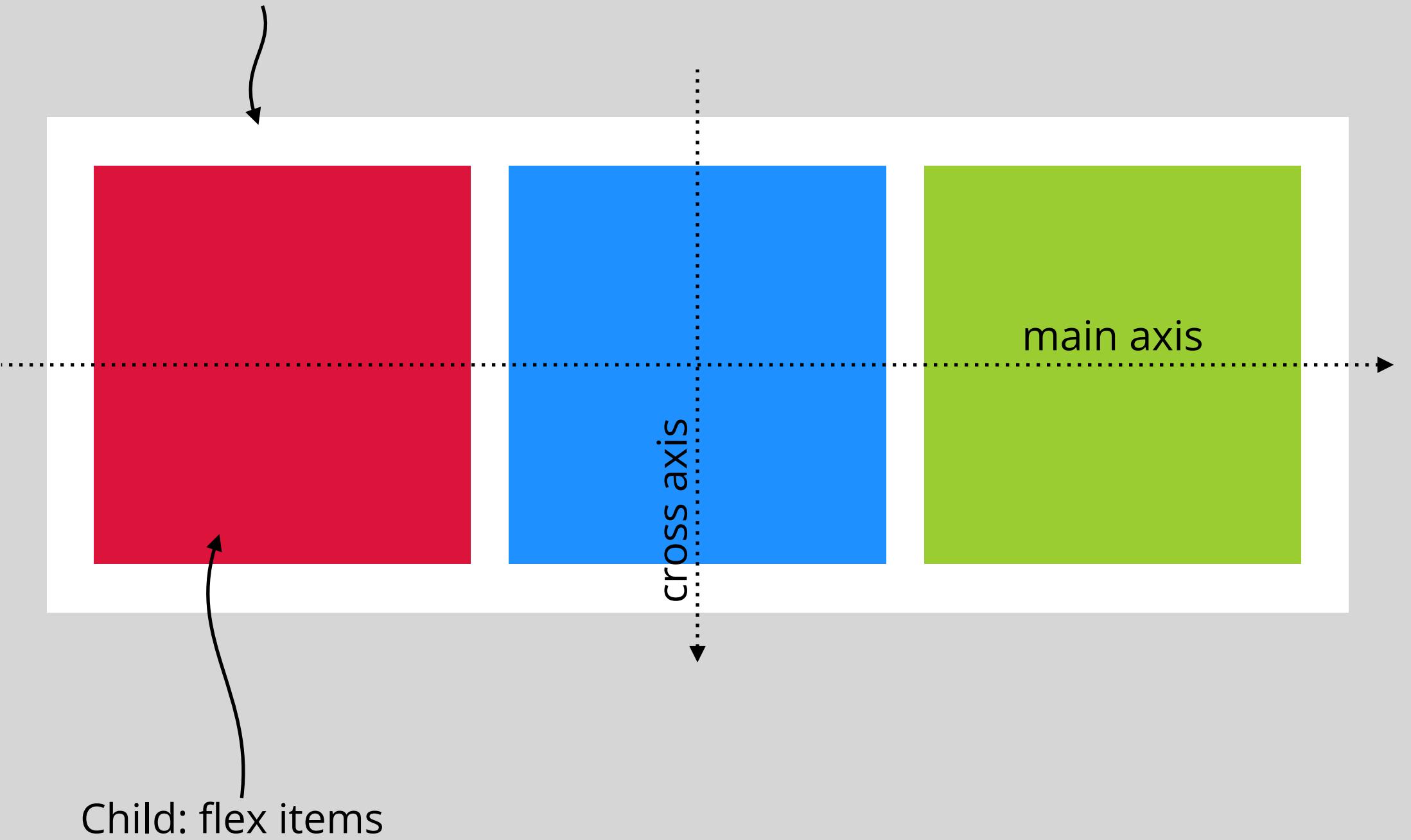
Position: absolute, fixed en sticky

Elementen op een specifieke plek in
een parent of in het scherm zetten.

Last resort
(vaak beetje viezig 😱)

Intro flexbox 1/6

Om Flexbox toe te passen heb je dus een ouder (container) en kinderen (items) nodig.



Daarnaast zul je regelmatig de termen main axis (standaard horizontaal) en cross axis (standaard verticaal) tegenkomen.

Intro flexbox 2/6

Standaard staan elementen onder elkaar.

De HTML

```
<main>
  <article>Eerste item</article>
  <article>Item 2</article>
  <article>Laatste item</article>
</main>
```

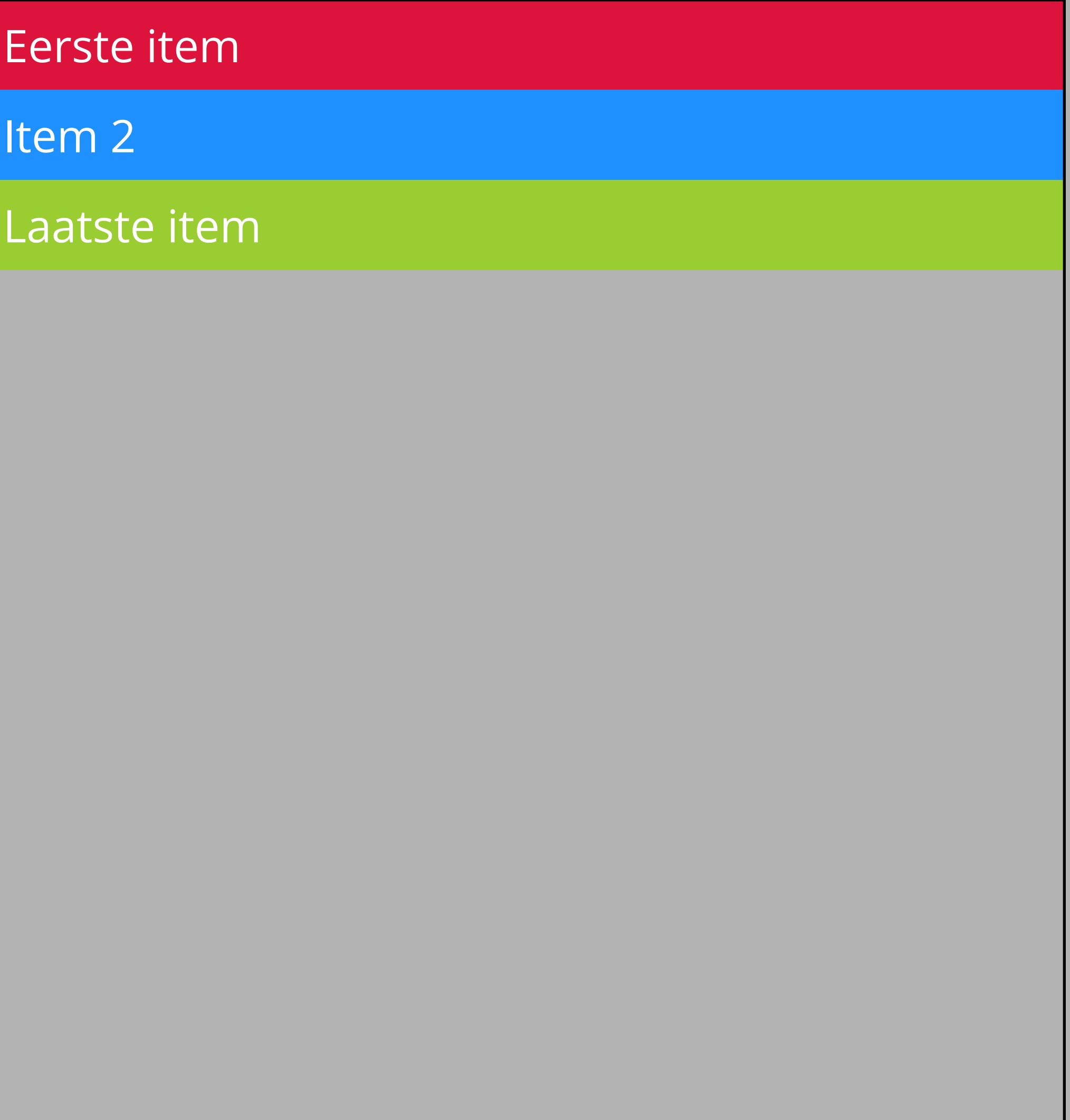
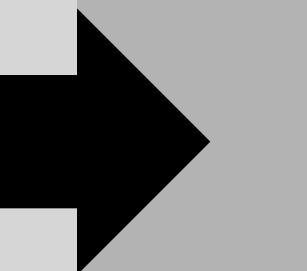
De CSS

```
main {
  height:100vh;
}

article {
  color:white;
  background-color:crimson;
}

article:nth-of-type(2) {
  background-color:dodgerblue;
}

article:last-of-type {
  background-color:yellowgreen;
}
```



Intro flexbox 3/6

Met Flexbox kun je elementen naast elkaar zetten.

Daarvoor zeg je tegen de ouder (hier de <main>) dat zijn kinderen moeten flexen.

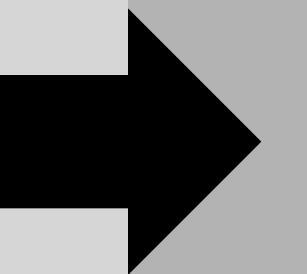
De HTML

```
<main>
  <article>Eerste item</article>
  <article>Item 2</article>
  <article>Laatste item</article>
</main>
```

De CSS

```
main {
  display:flex;
}
```

De kinderen (hier de <article>s) staan daarmee naast elkaar. Horizontaal worden ze zo breed als hun eigen content. Verticaal worden ze zo hoog als de container (de <main>).



Intro flexbox 4/6

Om de kinderen samen de hele breedte in te laten nemen, kun je Flex-grow gebruiken.

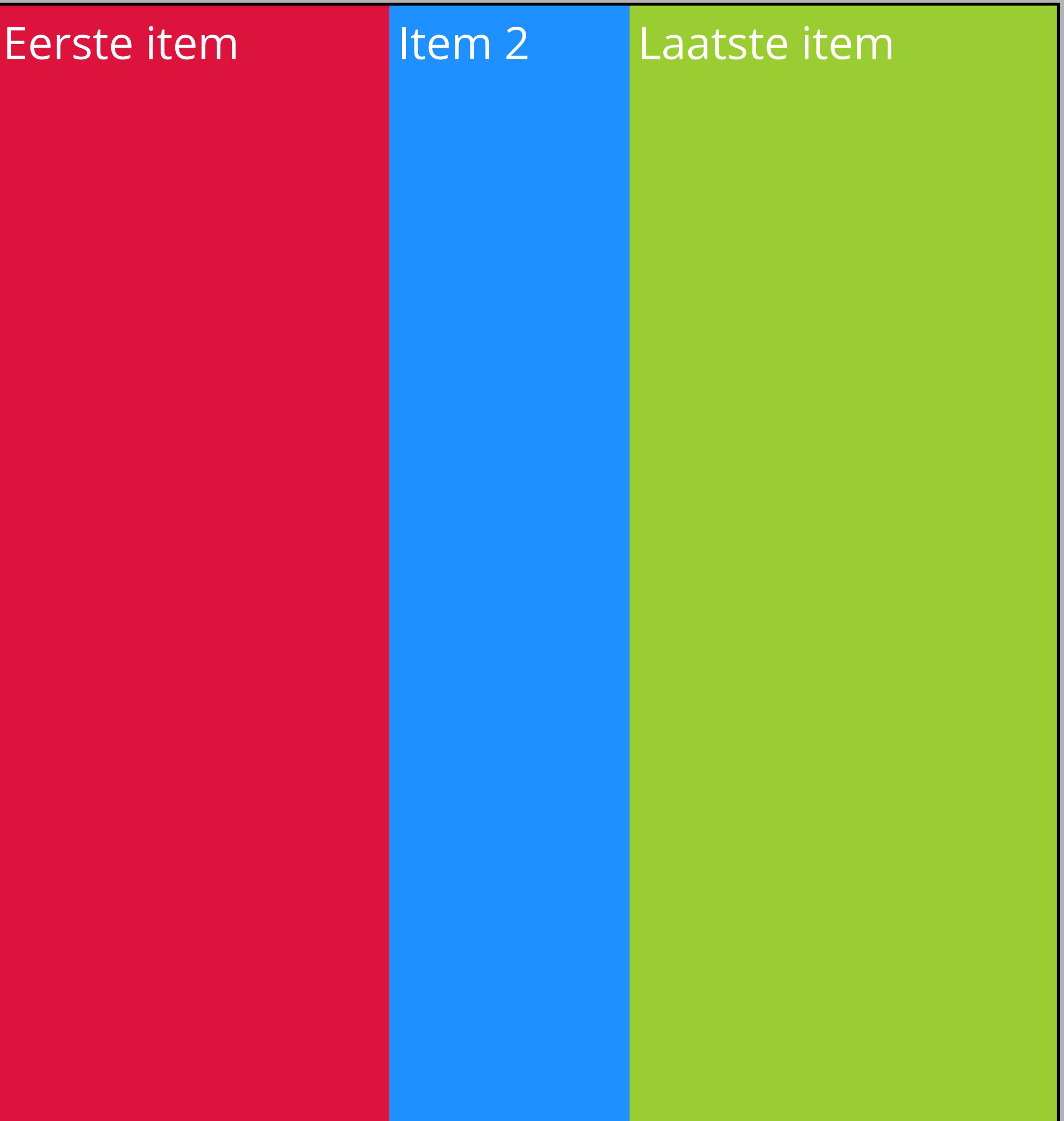
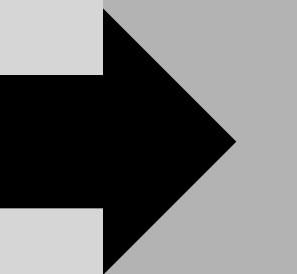
De HTML

```
<main>
  <article>Eerste item</article>
  <article>Item 2</article>
  <article>Laatste item</article>
</main>
```

De CSS

```
main {
  display:flex;
}

article {
  flex-grow:1;
}
```



Intro flexbox 5/6

Om de kinderen niet de hele hoogte te laten innemen, kun je align-items gebruiken.

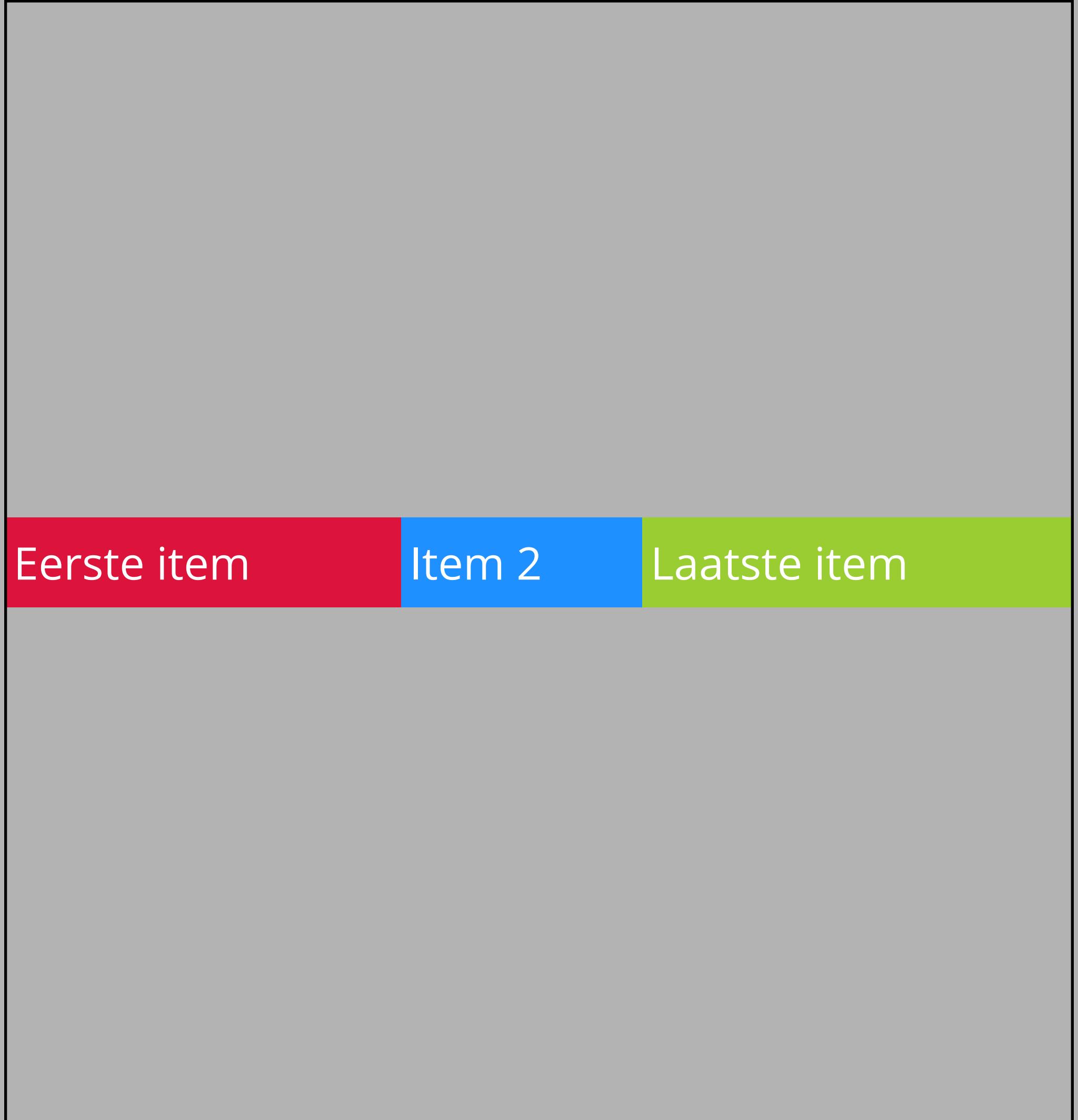
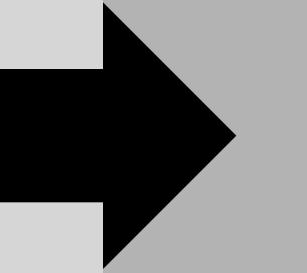
De HTML

```
<main>
  <article>Eerste item</article>
  <article>Item 2</article>
  <article>Laatste item</article>
</main>
```

De CSS

```
main {
  display:flex;
  align-items:center;
}

article {
  flex-grow:1;
}
```



Intro flexbox 6/6

En met justify-content kun je de kinderen ook horizontaal in het midden zetten. Dat was voor Flexbox erg lastig.

De HTML

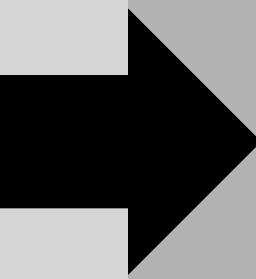
```
<main>
  <article>Eerste item</article>
  <article>Item 2</article>
  <article>Laatste item</article>
</main>
```

De CSS

```
main {
  display:flex;
  justify-content:center;
  align-items:center;
}

article { }
```

En zo kan er nog veel meer. Daar gaan we deze week mee oefenen.



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flexbox van
Wes Bos

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flexbox.io





Flexbox or grid - How to decide?

YouTube

The image shows a YouTube video player. The video title is "Flexbox or grid - How to decide?". The video thumbnail features a man with glasses and a surprised expression. The video progress bar shows 0:32 / 18:50, and the caption "Introduction". The video interface includes standard YouTube controls like play, volume, and a "MORE VIDEOS" button. In the top right corner of the video frame, there are three buttons: "Info", "Watch later", and "Share". To the right of the video frame, there's a circular logo with "MAKING THE" at the top and "A LITTLE BIT MORE" at the bottom, with a large red "K" in the center.

In deze video

- 00:00 Introduction
- 01:13 Comparing their behaviors
- 09:54 When you should use flexbox
- 13:40 When you should use grid
- 17:23 Mixing flexbox and grid

Gerelateerde onderwerpen



[CSS Flexible Box Layout](#)



[CSS grid layout](#)



[Grid](#)



[Flexbox vs grid Reddit](#)



[Flexbox layout examples](#)

Kevin Powel:

youtu.be/3eIGSZSWTbM

info

#**TEXBOX**

CSS challenge

END SAT-SUN