

CSS III

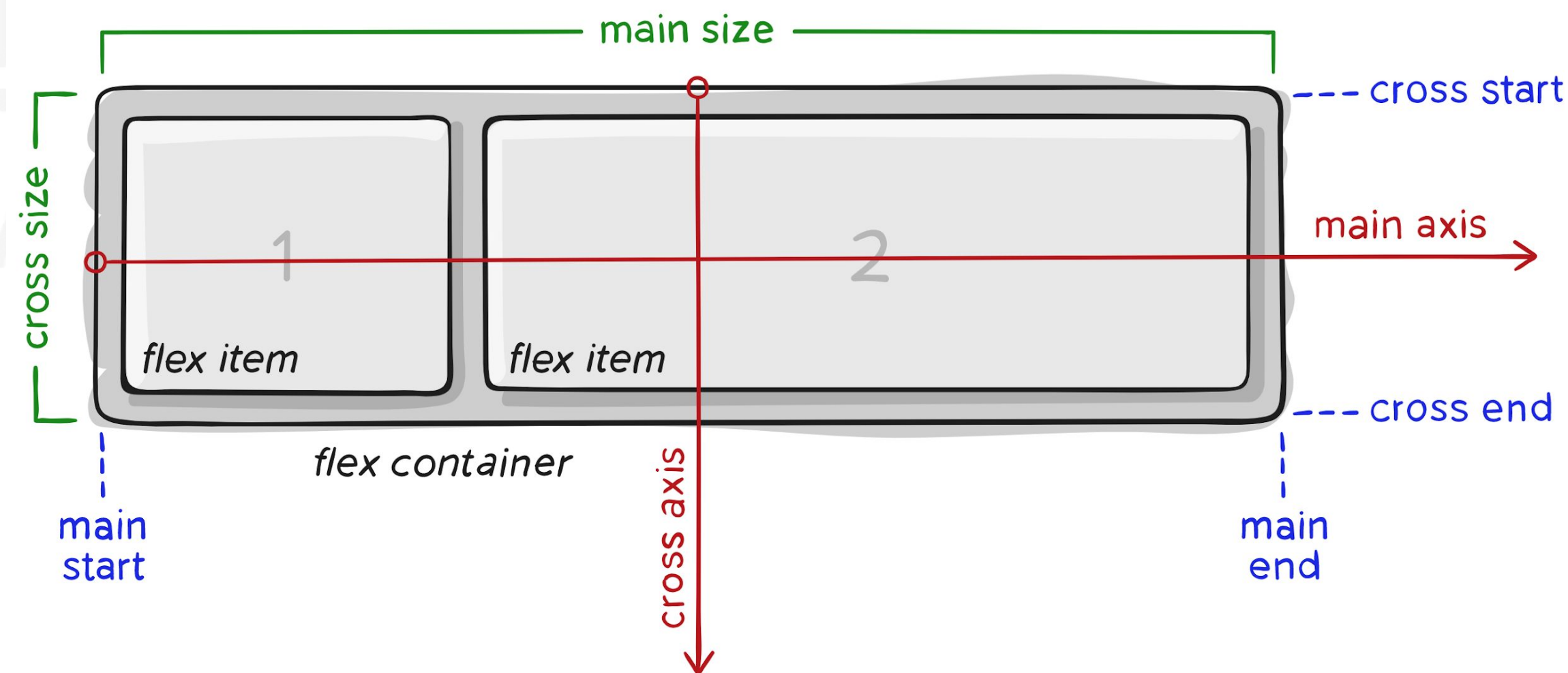
Flexbox

Objective

- Using CSS flexbox for layout

CSS Flexbox

- ❖ The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.



Dynamic Vertical and Horizontal Centering

❖ Flexible Box enabled proper vertical alignment, so we can easily center a box.

Property	Value	Description
align-items	center	align our item on the cross axis, which in this case is the block axis running vertically.
justify-content	center	align the item on the main axis, which in this case the inline axis running horizontally.

Example: justify-content: center on a horizontal flexbox

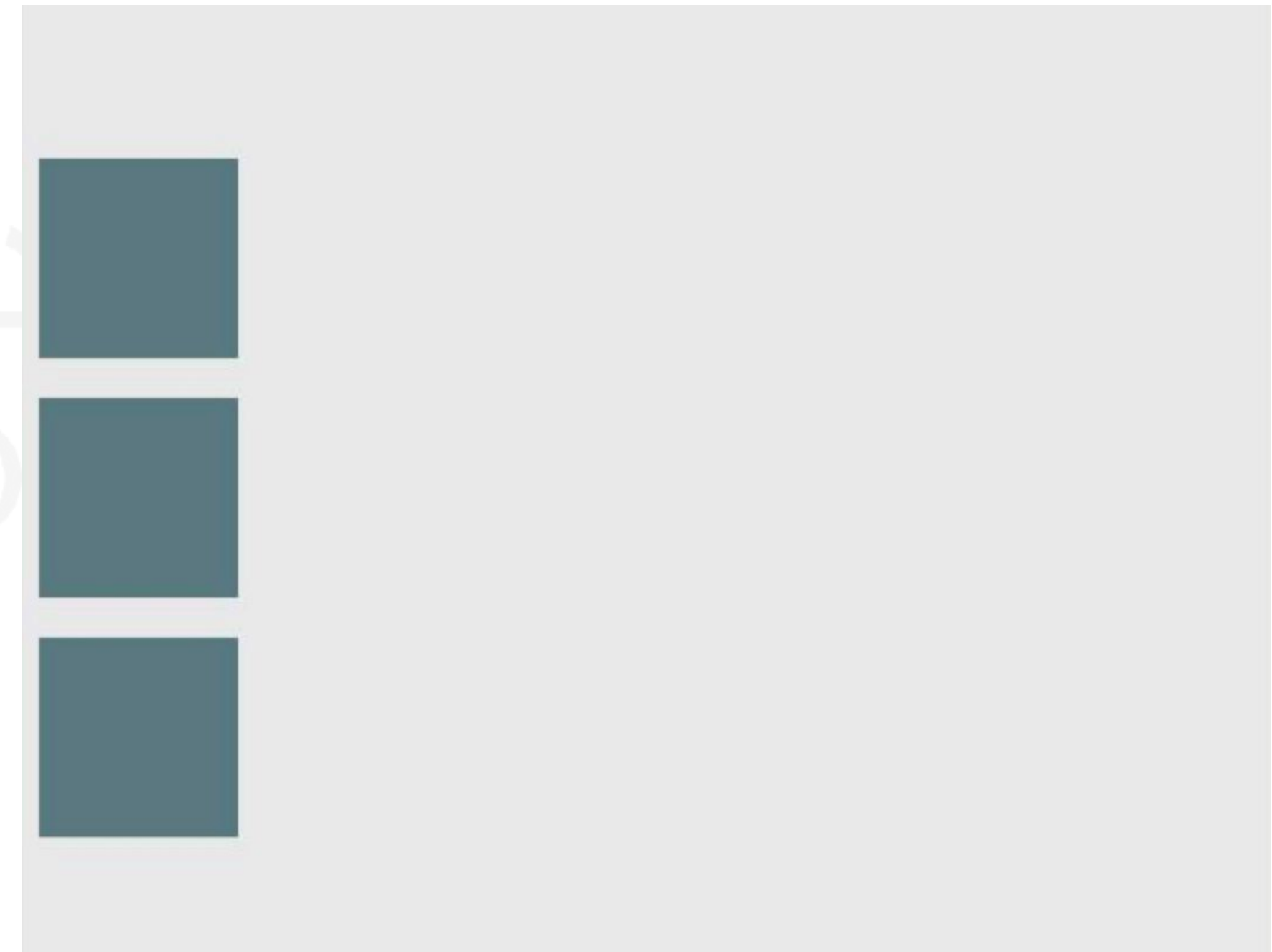
```
<div id="container">  
  <div></div>  
  <div></div>  
  <div></div>  
</div>
```

```
div#container {  
  display: flex;  
  flex-direction: row;  
  justify-content: center;  
}
```



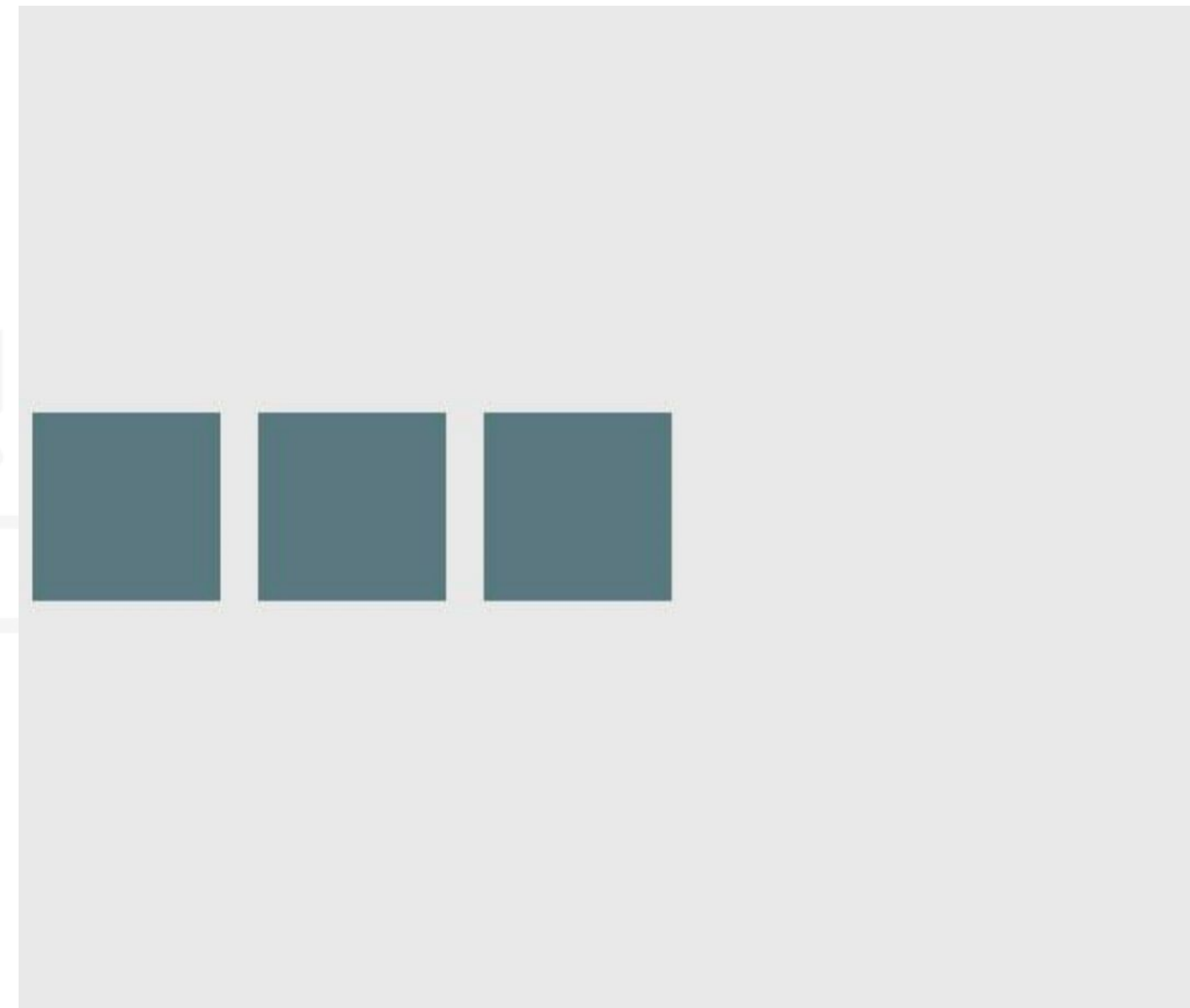
Example: justify-content: center on a vertical flexbox

```
div#container {  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
}
```



Example: align-content: center on a horizontal flexbox

```
div#container {  
  display: flex;  
  flex-direction: row;  
  align-item: center;  
}
```



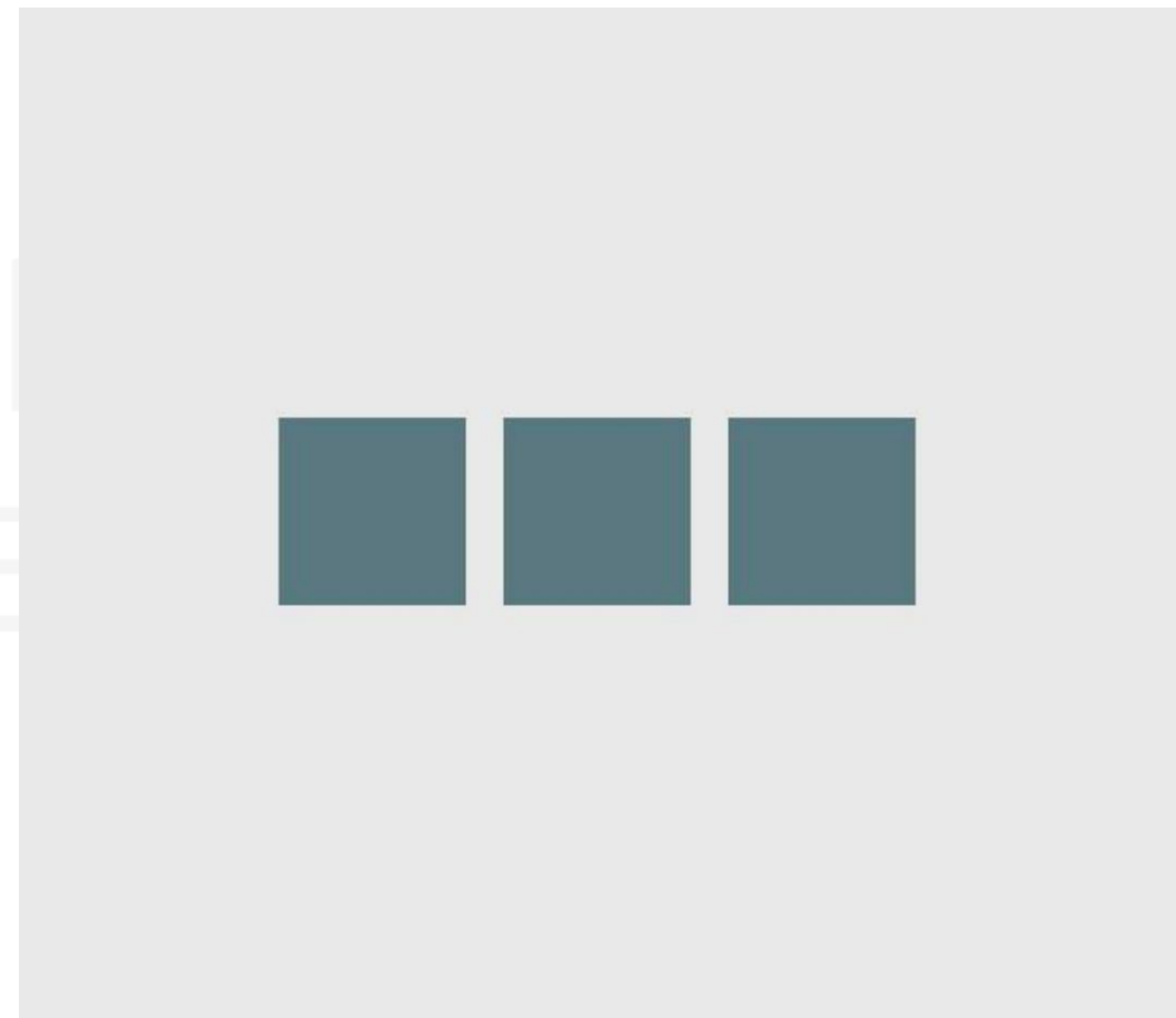
Example: align-content: center on a vertical flexbox

```
div#container {  
  display: flex;  
  flex-direction: column;  
  align-item: center;  
}
```



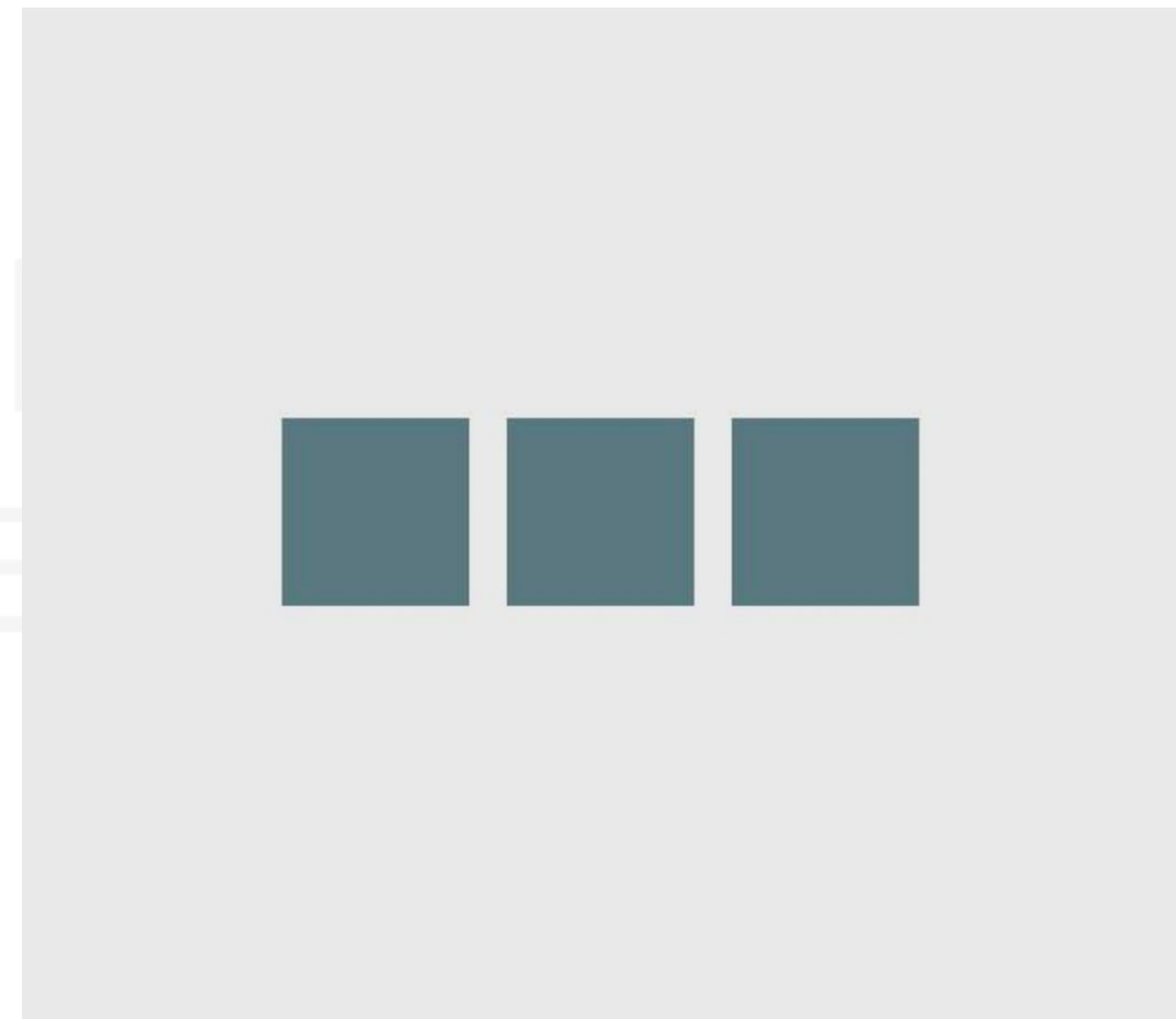
Example: Combination for centering both on horizontal flexbox

```
div#container {  
  display: flex;  
  flex-direction: row;  
  justify-content: center;  
  align-items: center;  
}
```



Example: Combination for centering both on vertical flexbox

```
div#container {  
  display: flex;  
  flex-direction: column;  
  justify-content: center;  
  align-items: center;  
}
```





Resources

- [Flexbox Defense](#)
- [A Complete Guide to Flexbox](#)
- [Flexbox Zombies](#)
- [Flexbox Froggy - A game for learning CSS flexbox](#)
- [A Complete Guide to Flexbox](#)
- <https://github.com/sei-jed-10/W02D03-Responsive-Design>
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Summary

- Using CSS flexbox for layout