FOUNDATIONS OF WEB DESIGN

CLASS 9

Responsive Design Flexbox Layout

https://dem-1323.github.io/foundations-of-web-design/

MEDIA QUERIES
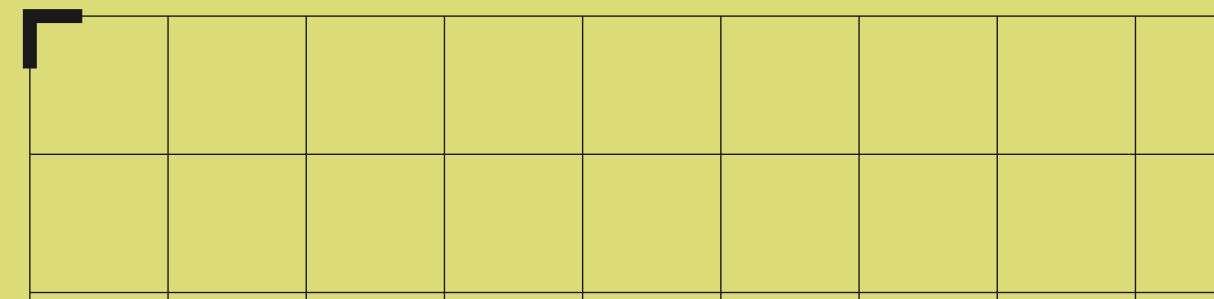
Media queries are used to apply different styles for different screen sizes. They are written using the @media rule.

Example:
```
@media (max-width: 600px) {
 body {
   background-color: lightblue;
 }
}
```

- Common breakpoints:
- Small devices: 600px and below
- Medium devices: 600px to 1024px
- Large devices: 1024px and above

FLUID LAYOUT
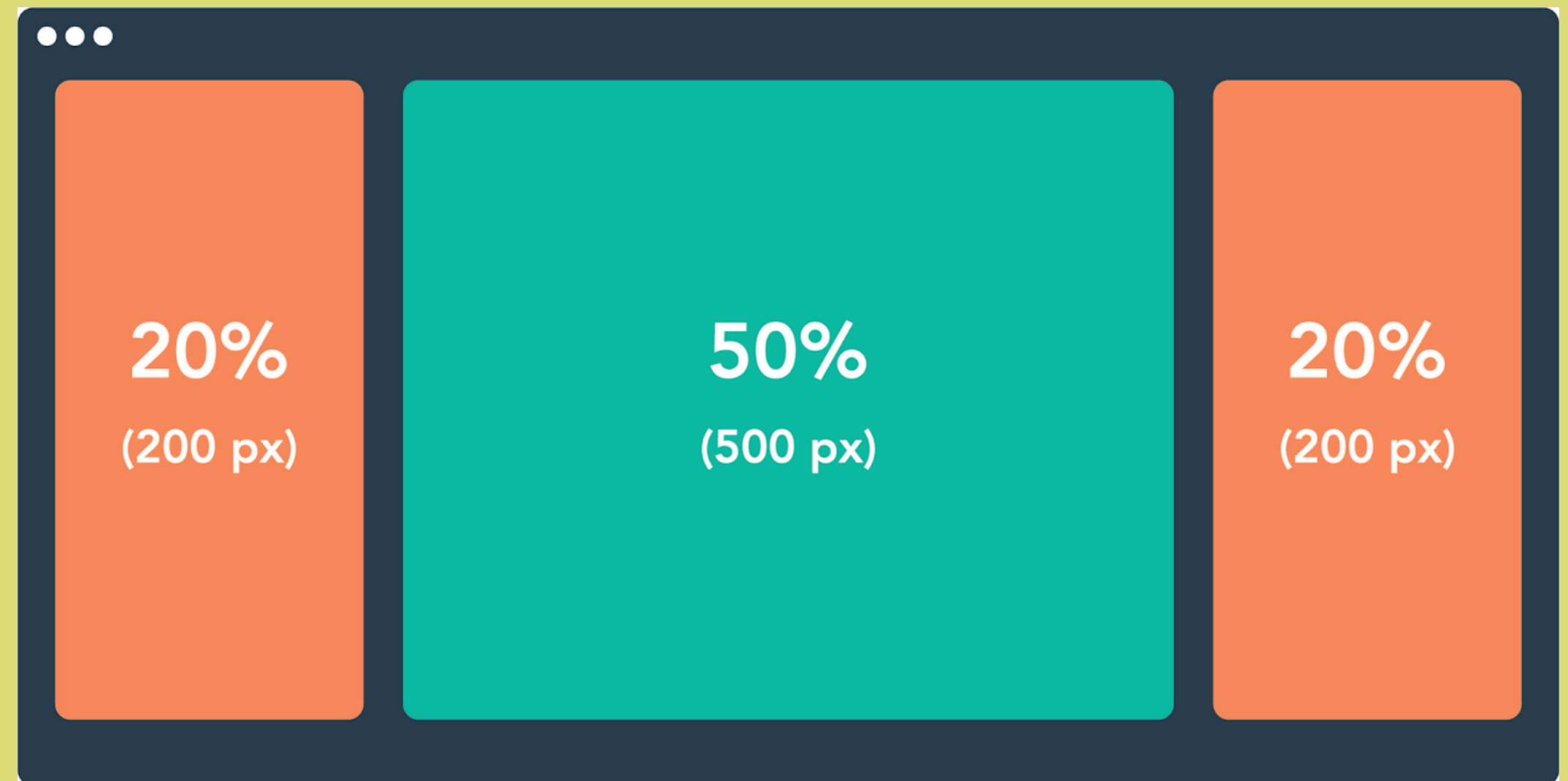
Fluid layouts use flexible units like percentages instead of fixed units like pixels.

Example:
```
.container {
  width: 80%;
}


@media (max-width: 600px) {
 .container {
   width: 60%;
  }
}
```

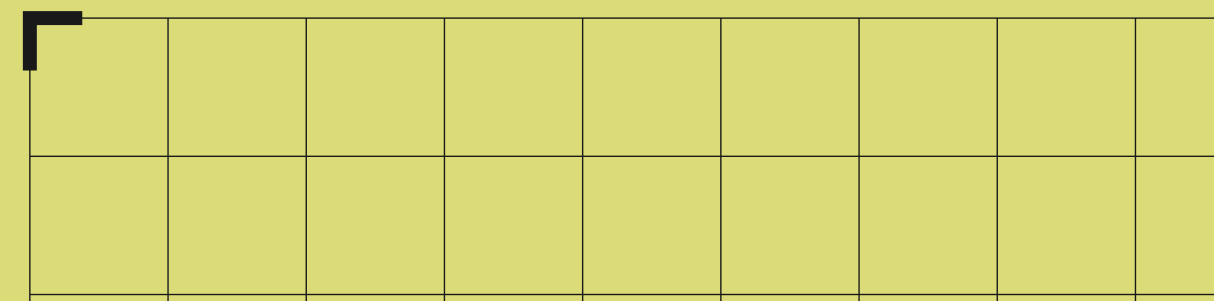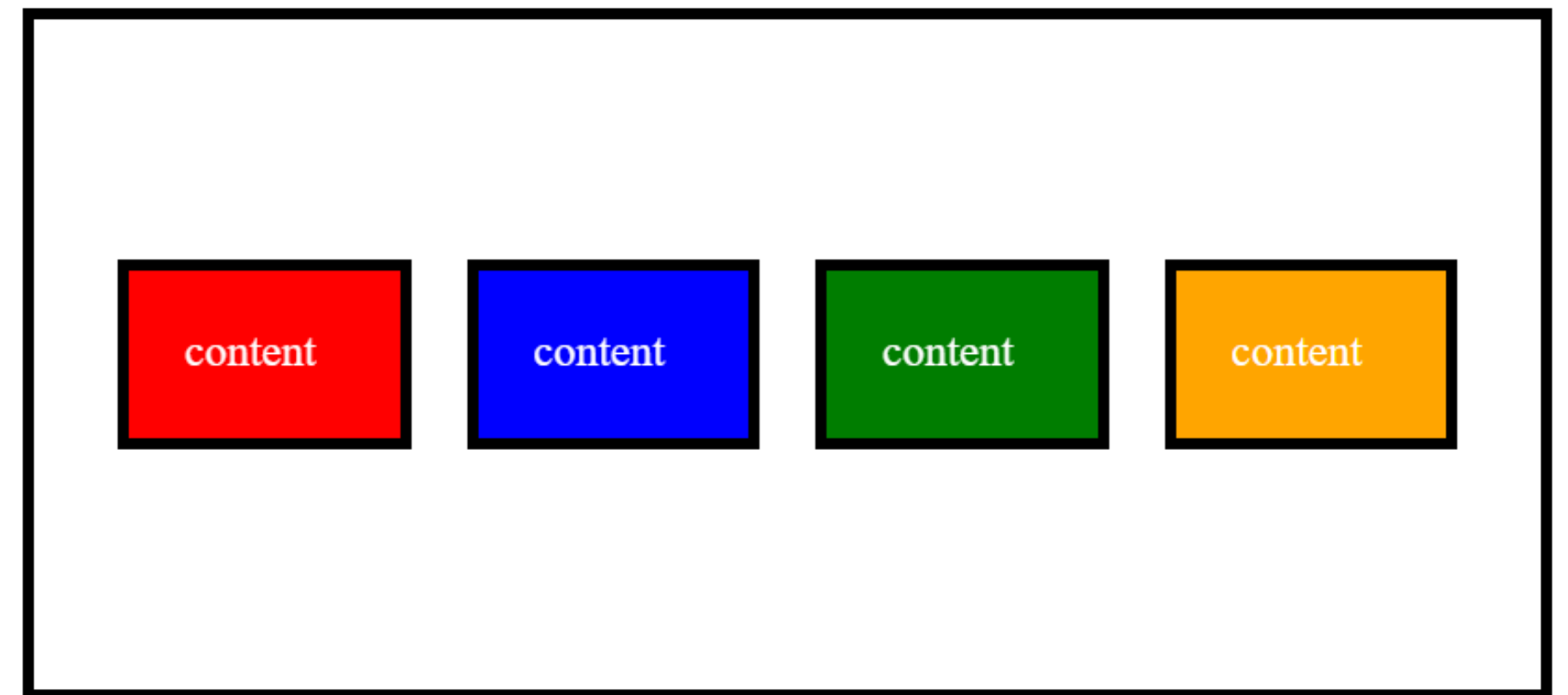| 20% (200 px)	50% (500 px)	20% (200 px)

FLEXBOX LAYOUT

Properties

- **display: flex**
- **flex-direction**
- **justify-content**
- **align-items**

Example:

```
#flexbox {
  display: flex;
  flex-direction: row;
  align-items: center;
}
```

Flexbox

FLEX-DIRECTION

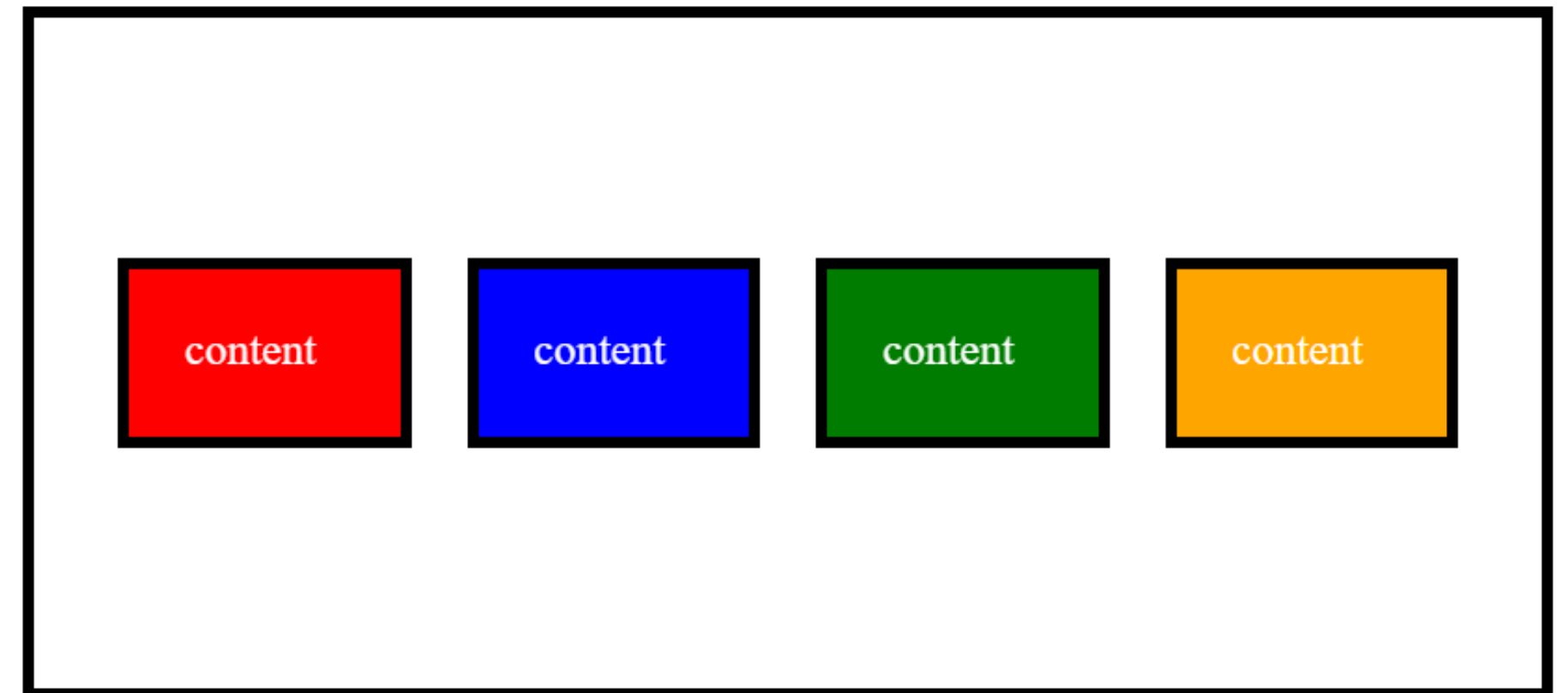**flex-direction property values:**
- **row**
- **column**
- **row-reverse**
- **column-reverse**

Example:

#flexbox {
 display: flex;
 flex-direction: row;
}

Flexbox

| content | content | content | content |

JUSTIFY-CONTENT
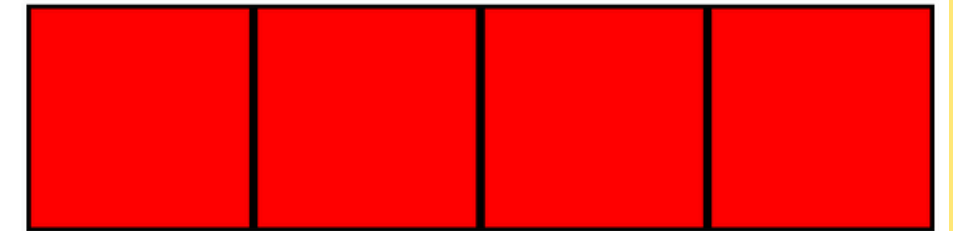
justify-content organizes items
along the x-axis
 property values:
 - flex-start
 - flex-end
 - center
 - space-between
 - space-around

Example:
#flexbox {
 display: flex;
 flex-direction: row;
 justify-content: flex-end;
}

ALIGN-ITEMS

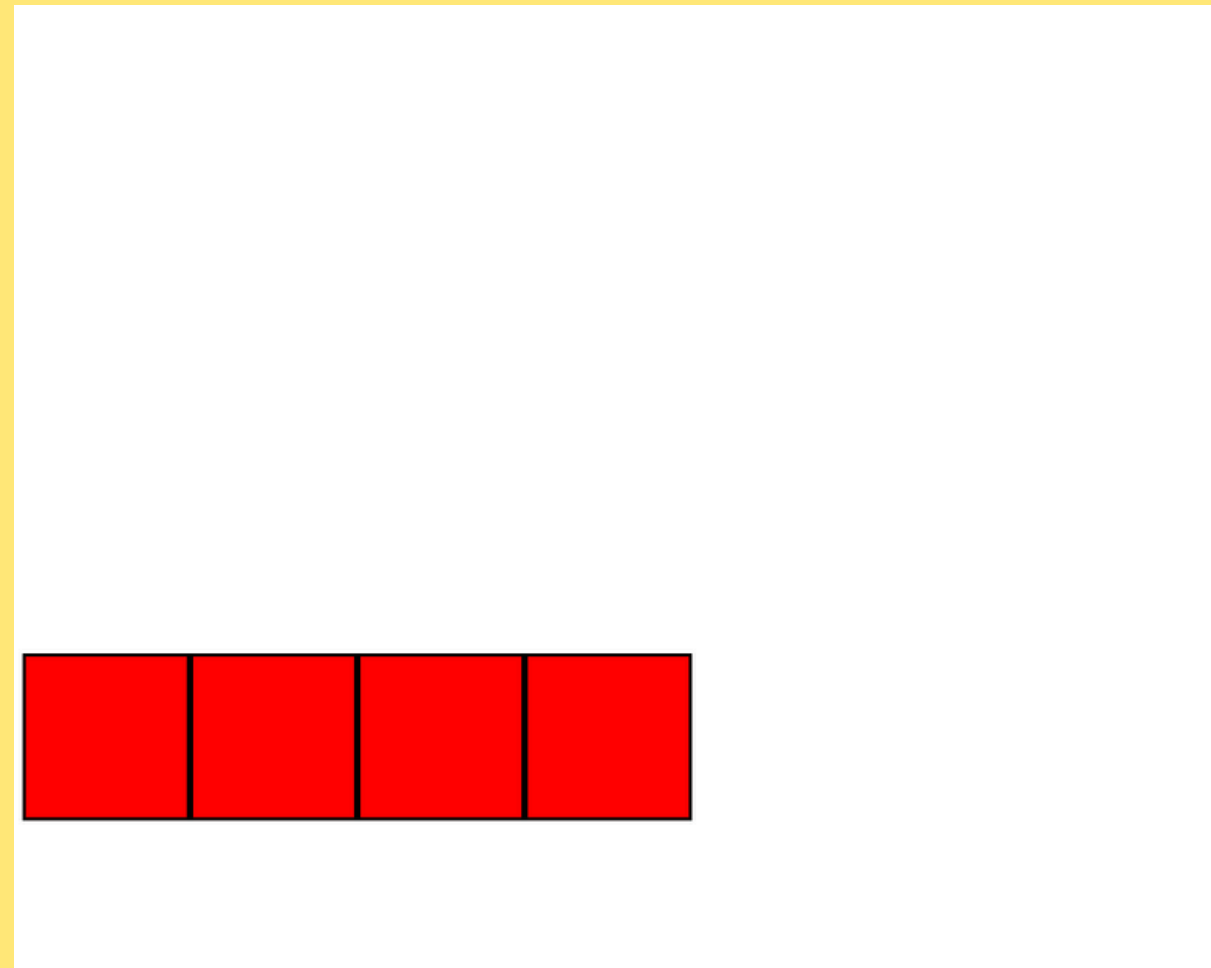align-items organizes items
along the y-axis
 property values:
- flex-start
- flex-end
- center
- baseline
- stretch

Example:
#flexbox {
 display: flex;
 flex-direction: row;
 align-items: flex-end;
}

FLEX-WRAP

flex-wrap controls if items
should wrap onto many lines
 property values:
- nowrap
- wrap
- wrap-reverse

Example:
#flexbox {
 display: flex;
 flex-direction: row;
 flex-wrap: wrap;
}