

A FIELD GUIDE TO  
**FLEXBOX**



by Joni Trythall



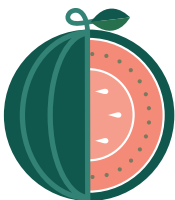
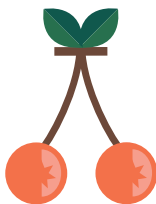
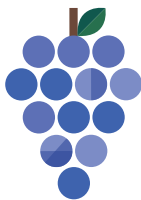
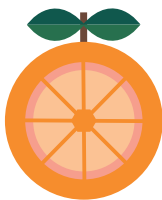
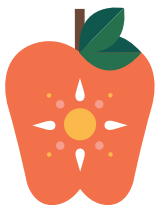
THIS LIL GUIDE BELONGS TO

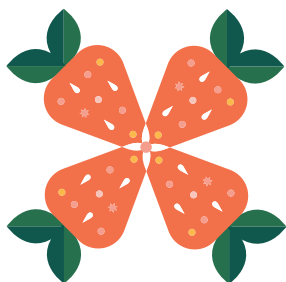
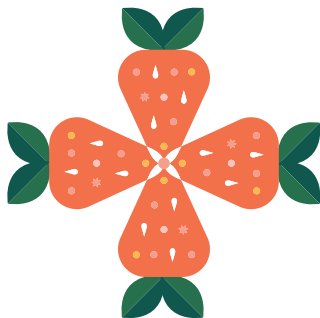
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FAVORITE FRUIT

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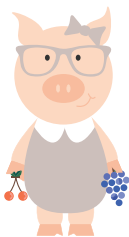
This lil visual guide was created by Joni Trythall with love and perhaps too much enthusiasm.

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News and updates on site:  
flexboxfieldguide.com

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*Cherries are the superior fruit.*

# Outline

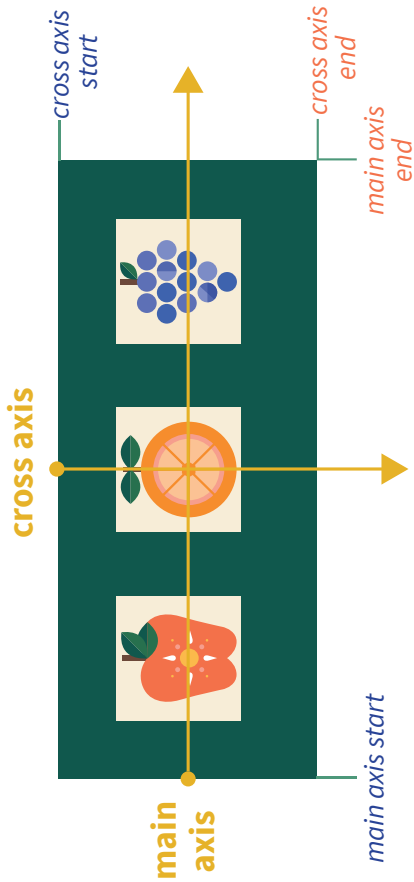
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# Foundational Concepts









# Activate Powers

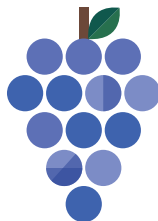
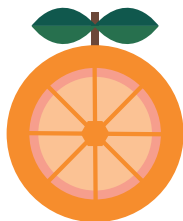
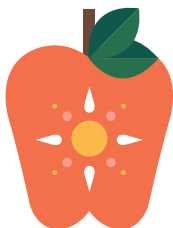


```
display: flex;
```

OR

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

On flex **container**.



# Container Declarations



## Are rows or columns desired?

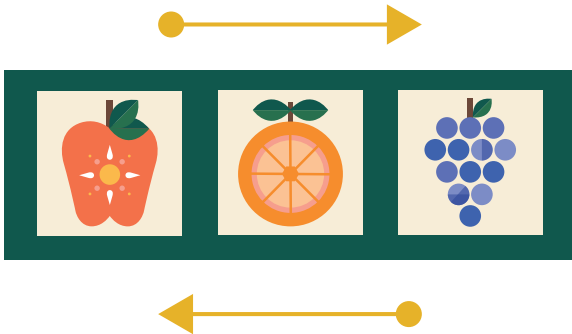
### Rows

*row is the default value.*

```
flex-direction: row;
```

OR

```
flex-direction: row-reverse;
```



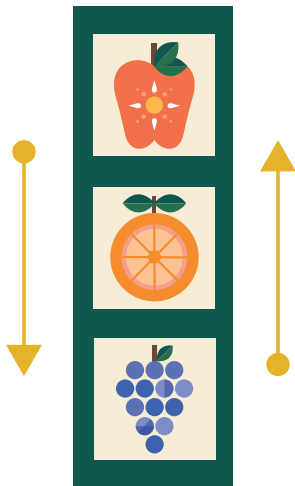
## Are rows or columns desired?

### Columns

```
flex-direction: column;
```

OR

```
flex-direction: column-reverse;
```

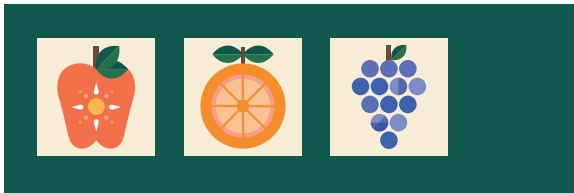


## Should items be located at the beginning of the main axis?

### YES, beginning

*This is the default behavior.*

```
justify-content: flex-start;
```

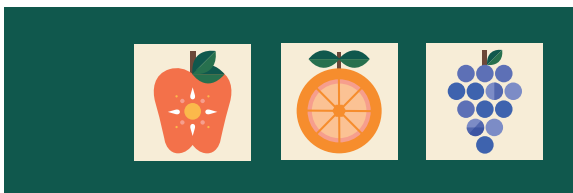




## Should items be located at the beginning of the main axis?

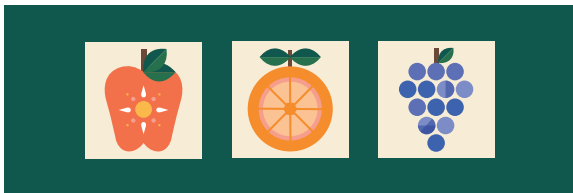
**NO**, other

```
justify-content: flex-end;
```



OR

```
justify-content: center;
```



OR

## Should items be located at the beginning of the main axis?

**NO**, other

```
justify-content: space-between;
```



**OR**

```
justify-content: space-around;
```

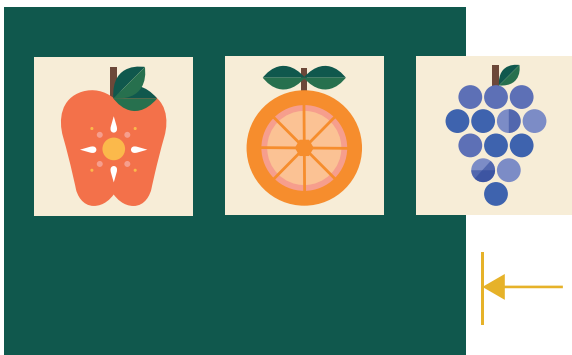


# Should all items be on one line or move to another when adjusting the viewport?

## One line

*This is the default behavior.*

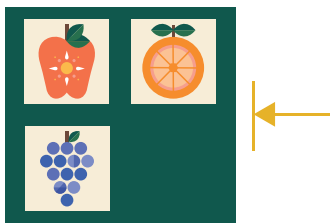
```
flex-wrap: nowrap;
```



## Should all items be on one line or move to another when adjusting the viewport?

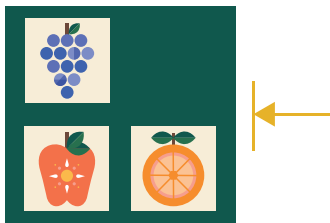
### Move to another

```
flex-wrap: wrap;
```



OR

```
flex-wrap: wrap-reverse;
```

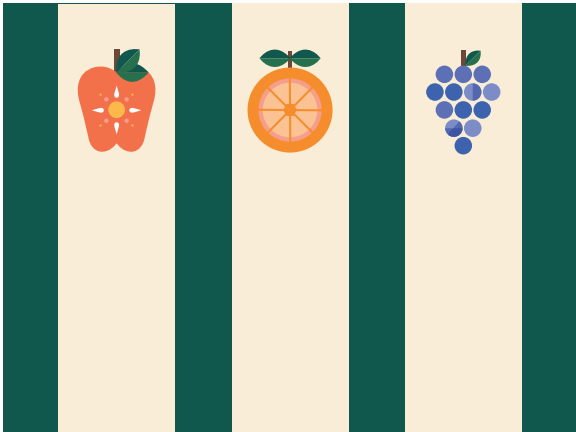


# How should items be laid out on the cross axis?

## Stretched

*This is the default behavior.*

```
align-items: stretch;
```



# How should items be laid out on the cross axis?

## Not stretched

```
align-items: flex-start;
```



OR

```
align-items: flex-end;
```



OR

# How should items be laid out on the cross axis?

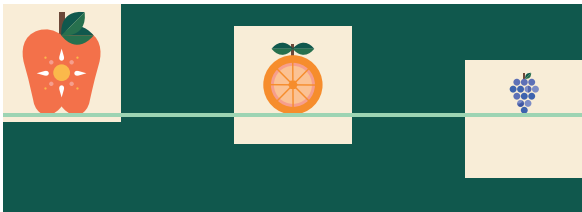
## Not stretched

```
align-items: center;
```



OR

```
align-items: baseline;
```

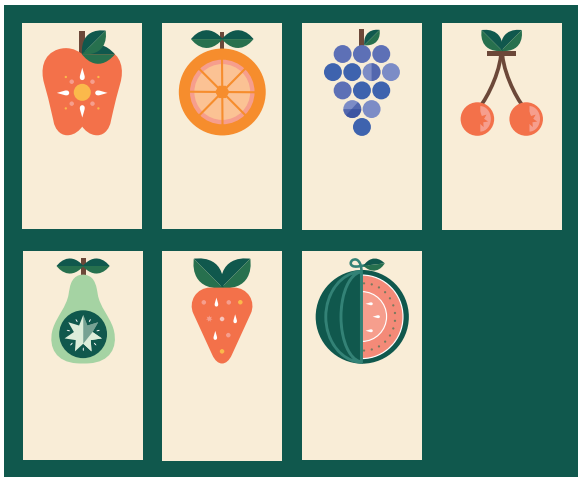


# How should multiple lines of content be aligned?

## Stretched

*This is the default behavior.*

```
align-content: stretch;
```





# How should multiple lines of content be aligned?

## Not stretched

```
align-content: flex-start;
```



OR

```
align-content: flex-end;
```

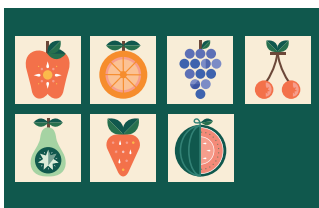


OR

# How should multiple lines of content be aligned?

## Not stretched

```
align-content: center;
```



OR

```
align-content: space-between;
```



OR

# How should multiple lines of content be aligned?

## Not stretched

```
align-content: space-around;
```



# Item Declarations



## Does the order of the items need to change?

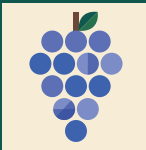
**NO**

*No need to do anything.*

**YES**

```
order: <whole number>;
```

```
.grapes {order: 1;}  
.apple {order: 2;}  
.orange {order: 3;}
```



## Do some items need to grow if necessary?

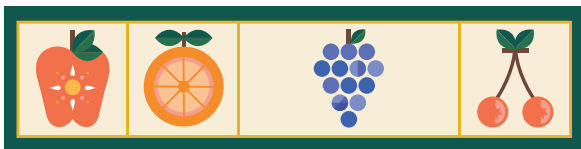
**NO**

*No need to do anything.*

**YES**

```
flex-grow: <number>;
```

```
.apple {flex-grow: 1;}  
.orange {flex-grow: 1;}  
.grapes {flex-grow: 2;}  
.cherries {flex-grow: 1;}
```



## Do some items need to shrink if necessary?

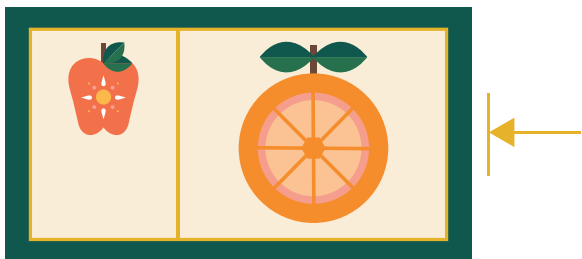
**NO**

*No need to do anything.*

**YES**

```
flex-shrink: <number>;
```

```
.apple {flex-shrink: 2;}
```



**Use `flex-basis` to define a starting width or height in relation to grow/shrink.**

```
flex-basis: <positive value>;
```

## Do any items need to be aligned differently?

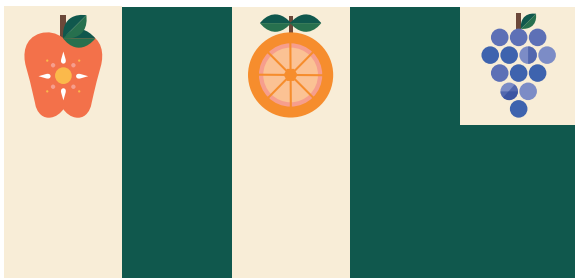
**NO**

*No need to do anything.*

**YES**

```
align-self: flex-start;
```

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



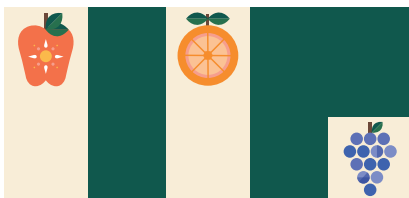
**OR**



## Do any items need to be aligned differently?

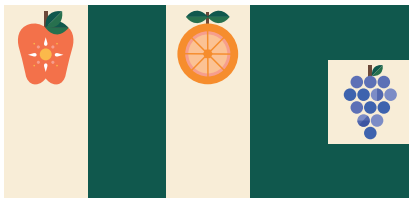
YES

```
align-self: flex-end;
```



OR

```
align-self: center;
```



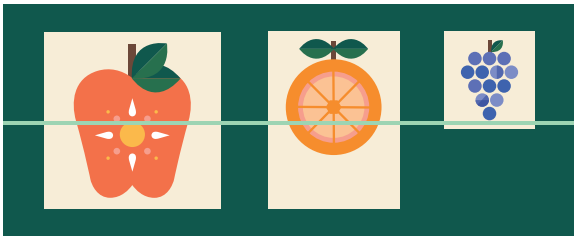
OR

## Do any items need to be aligned differently?

YES

```
align-self: baseline;
```

```
.grapes {  
  align-self: baseline;  
}
```



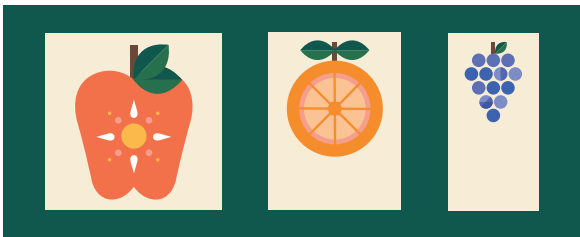
OR

## Do any items need to be aligned differently?

YES

```
align-self: stretch;
```

```
.grapes {  
  align-self: stretch;  
}
```



# Additional Resources

## On getting started

**Support:** [bitly.com/fgflex1](https://bitly.com/fgflex1)

**CSS-Tricks Complete Guide:** [bitly.com/fgflex2](https://bitly.com/fgflex2)

**Flexbox Froggy:** [bitly.com/fgflex3](https://bitly.com/fgflex3)

**Gif Guide:** [bitly.com/fgflex4](https://bitly.com/fgflex4)

**Cheatsheet:** [bitly.com/fgflex5](https://bitly.com/fgflex5)

**Base demo:** [bitly.com/fgflex6](https://bitly.com/fgflex6)

**What the Flexbox?!:** [bitly.com/fgflex7](https://bitly.com/fgflex7)

## On flex grow, shrink, basis

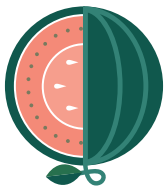
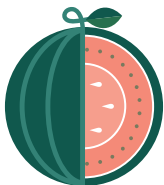
**What the Flexbox #11:** [bitly.com/fgflex8](https://bitly.com/fgflex8)

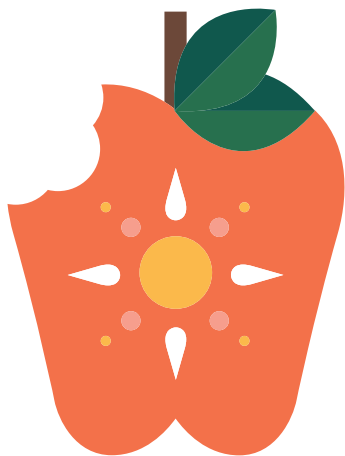
## Common scenarios

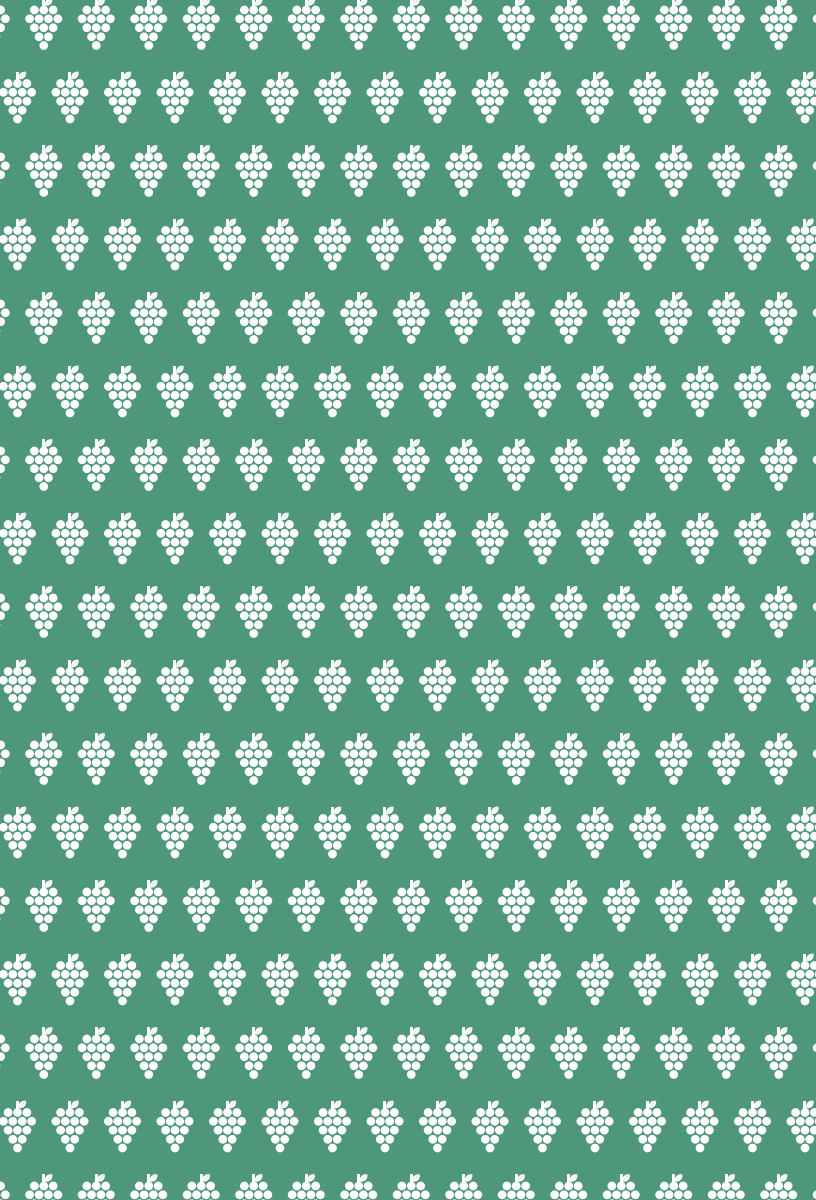
**Flexbox Fridays:** [bitly.com/fgflex9](https://bitly.com/fgflex9)

**Card layout:** [bitly.com/fgflex10](https://bitly.com/fgflex10)

**Inputs:** [bitly.com/fgflex11](https://bitly.com/fgflex11)







**“I can never remember the flexbox properties, so I’m thrilled to have A Field Guide to Flexbox by my side. Joni’s illustrations are equal parts delightful and easy to follow, making it my new go-to resource.”**

**— Katy DeCorah, web developer**

**“This handy guide is a wonderful resource, especially for a visual learner, like myself. If i had a guide like this for all web design concepts I’d be golden.”**

**— Shanise Barona, web developer**

**“I like the watermelon the best. They are tasty tasty.”**

**— Ben Trythall, 5 years old**