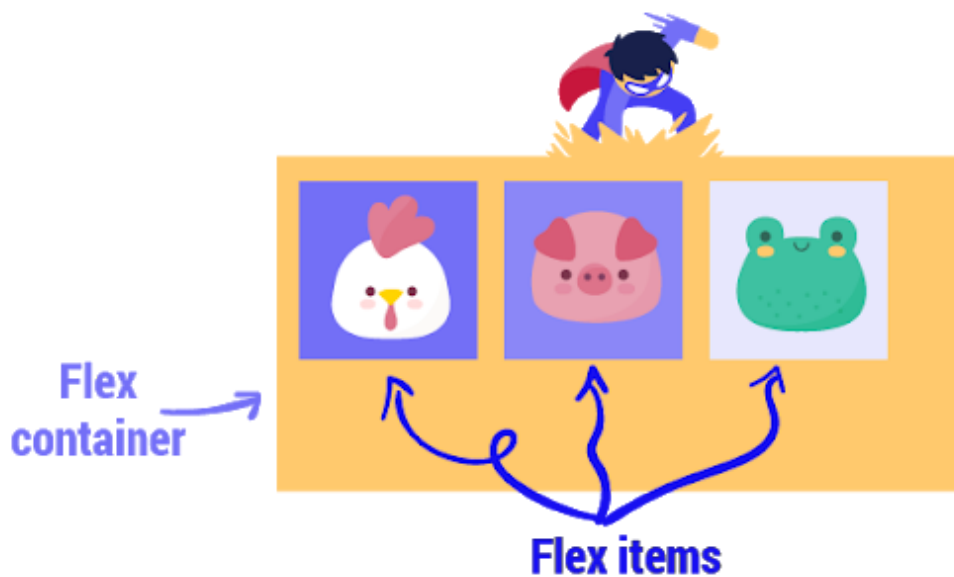# What Is Flexbox?

Flexbox has an overly technical definition. For the sake of simplifying this course, we'll skip the technicalities.

You want to imagine Flexbox as the layout ninja for CSS. It's incredibly practical, dynamic, and has a lot of advantages.

When you need to deal with the layout in your styles, the CSS Flexbox model is likely to be your best bet.

How does it work?

Flexbox starts by making a parent element into a flex container.

Use display Flex

How can we access the Flexbox's super powers?

Pretty simple, let's assume the parent element in question is a div with a class name of `flexy`, we simply apply the following:

To activate powers

```
.flexy {

  display: flex;

}
```
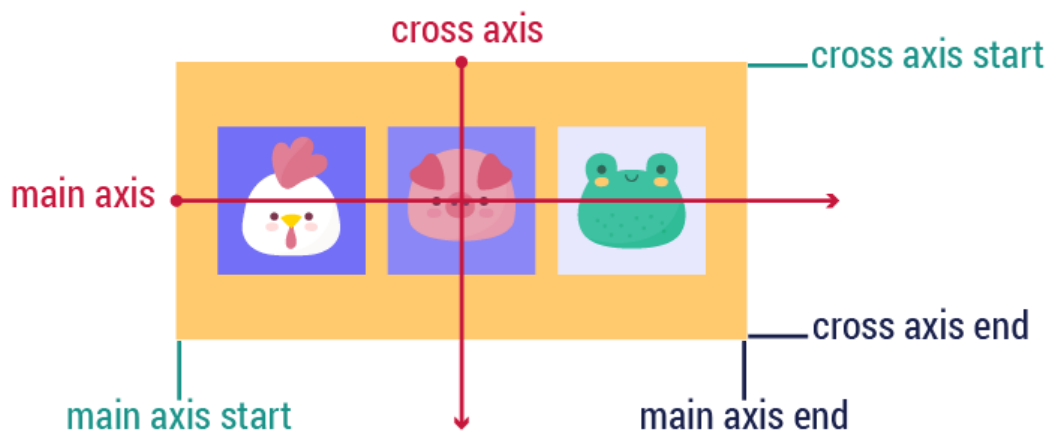
on flex **container**

This one line of code enables a flex context for all its direct children. So if all items need to shrink, each one will shrink equally and if there's no space they will be allowed to shrink horizontally until they all fit.

Why Do We Use Flexbox and What Are Its Super Powers?

After we have made the parent a flex container, we can proceed to using it. One of the many things we can do with Flexbox is to center a child element within a parent. This centering will be along both sides, vertical and horizontal, all according to the main axis.

CSS Flexbox in 100 Seconds