

# Flexbox in CSS

It is a way to prepare and arrange elements in your HTML layout. You can align them in a particular direction, distribute them in a space and decide spacing between the elements.

## Flexbox Terminologies

1. Flexbox Container: The flexbox container is the element on which we can activate flex properties and then control the children using flex.
2. Flex Items: The flex items are the elements present inside the flex container.
3. Flex Direction: Each flex container has a direction attached to it. The items inside the container are arranged in that direction only. The default direction is row. We can change it to column, column-reverse, row-reverse. Based on the direction, we have two axis defined in the container. If the direction is row then X axis is the main axis and Y axis is the cross axis. If the direction is column then X axis is the cross axis and Y axis is the main axis. To handle distribution on the X axis we use justify-content and to handle distribution on the Y axis we use align-items.
4. Flex Wrap: This property allows flex items to wrap in multiple lines.
5. Justify-Content: This property is used to align and distribute elements the flex items across the main axis. It has the following values: flex-start, flex-end, center, space-between, space-around and space-evenly.
6. Align-Items: This property is used to align and distribute elements the flex items across the cross axis. It has the following values: flex-start, flex-end, center, baseline and stretch.
7. Gap: This property is used to set the gap between the flex items.
8. Flex Flow: This property is a combination of flex-direction and flex-wrap.

## Example of Flexbox

