

Flexbox Properties Overview

in the concept of flexbox in css list all the properties and their uses

Flexbox in CSS provides a powerful way to create responsive layouts. Below is a list of all Flexbox properties and their uses:

1. Parent (Flex Container) Properties

These properties are applied to the container (parent element) that holds the flex items.

Property	Description
<code>display: flex;</code>	Defines a flex container, enabling flexbox layout.
<code>flex-direction</code>	Defines the direction of flex items (<code>row</code> , <code>row-reverse</code> , <code>column</code> , <code>column-reverse</code>).
<code>flex-wrap</code>	Specifies whether flex items should wrap (<code>nowrap</code> , <code>wrap</code> , <code>wrap-reverse</code>).
<code>flex-flow</code>	Shorthand for <code>flex-direction</code> and <code>flex-wrap</code> .
<code>justify-content</code>	Aligns items along the main axis (<code>flex-start</code> , <code>flex-end</code> , <code>center</code> , <code>space-between</code> , <code>space-around</code> , <code>space-evenly</code>).
<code>align-items</code>	Aligns items along the cross-axis (<code>flex-start</code> , <code>flex-end</code> , <code>center</code> , <code>baseline</code> , <code>stretch</code>).
<code>align-content</code>	Controls space between rows/columns in a wrapped flex container (<code>flex-start</code> , <code>flex-end</code> , <code>center</code> , <code>space-between</code> , <code>space-around</code> , <code>stretch</code>).
<code>gap</code>	Defines spacing between flex items (<code>row-gap</code> and <code>column-gap</code> combined).

2. Child (Flex Item) Properties

These properties are applied to individual flex items.

Property	Description
<code>order</code>	Defines the order of an item (default is <code>0</code>). Lower values appear first.

Property	Description
<code>flex-grow</code>	Specifies how much an item should grow when there is extra space.
<code>flex-shrink</code>	Specifies how much an item should shrink when space is limited.
<code>flex-basis</code>	Sets the initial size of an item before space is distributed.
<code>flex</code>	Shorthand for <code>flex-grow</code> , <code>flex-shrink</code> , and <code>flex-basis</code> . Example: <code>flex: 1 1 auto; .</code>
<code>align-self</code>	Overrides <code>align-items</code> for a specific item (<code>auto</code> , <code>flex-start</code> , <code>flex-end</code> , <code>center</code> , <code>baseline</code> , <code>stretch</code>).

Would you like an example implementation to see how these properties work in practice? 🚀