



# flex

## **Defintion of Flex:**

The flex property sets flexible length on flexible items.

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#### The flex Property



The flex property is shorthand property for:

Flex-grow

Flex-shrink

Flex-basis

How to use Flex:

Syntax:

Flex: flex-grow flex-shrink flex-basis|auto|initial|inherit;

Definition of flex-grow:

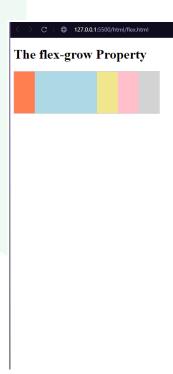
A number specifying what properties item will grow relative to remainder of the flexible items .

Input:

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```

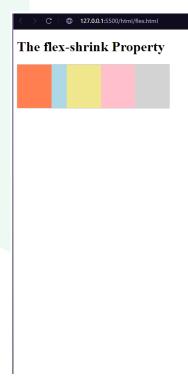


Definition of flex-shrink:

A number specifying what proportion item will shrink relative to the rest of the flexible items



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```

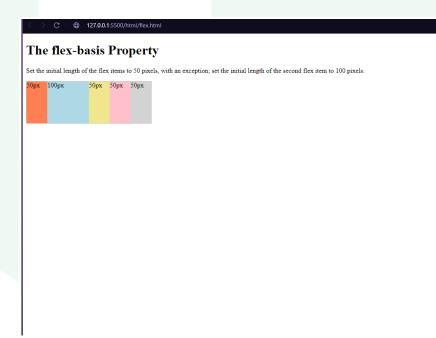


Definition of flex-basis:

The length of the item.Legal values: "auto" ,"inherit",or variety followed by "%","px","em" or the opposite length unit.



```
The last selection was a first because when you are considered to the second flow item to 100 pixels: (f); the last selection is selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the last selected as the second flow item to 100 pixels: (f); the second color selected as the second color selected as the second flow item to 100 pixels: (f); the second color selected as the second color second color selected color second color
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What is flex-direction:

Set of the direction of flexible-items inside the <div> element in reverse order.

```
For example:
div{
display:flex;
flex-direction:row-reverse;
}
```



### Input:

```
| File | Self |
```





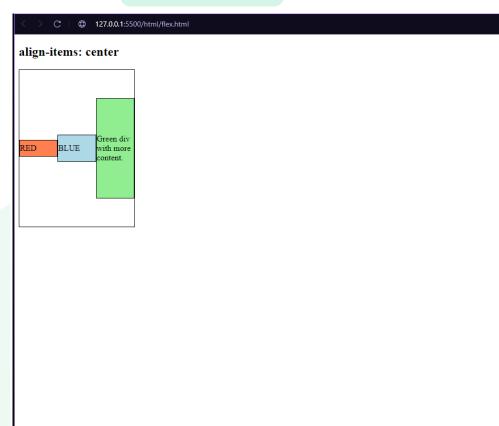
Definition:

The align-items property specifies the default alignment for items inside flexible container.

```
Examples:
div
display:flex;
align-items:center;
}
```







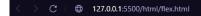
Items are positioned at the begin to the container:

```
div
{
display:flex;
align-items:flex-start;
}
```

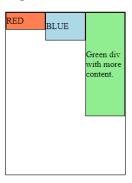


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```





#### align-items: flex-start



Items are positioned at the tip of the container:

```
div
{
display:flex;
align-items:flex-end;
}
Input:
```



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Items are positioned at the baseline of  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  containers : div

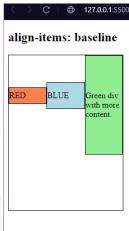


```
{
display:flex;
align-items:baseline;
}
```

### Input:

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```





Justify-Content Property:

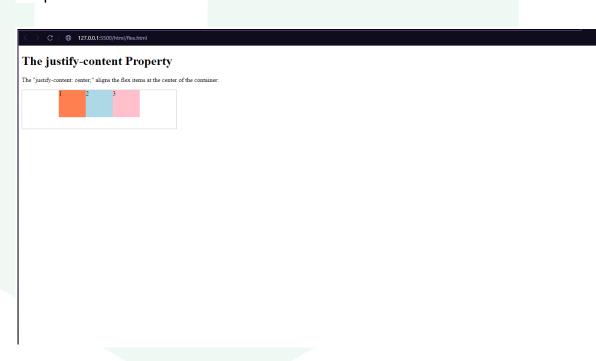
The justify-content property aligns the flexible container's items when the items don't use all available space on the main-axis.

# Example

Align the flex items at middle of the container:

```
div{
display:flex;
justify-content:center;
}
```





# Example

Align the flex items at beginning of the container (this is

default):

div

{



```
display:flex;
justify-content:flex-start;
}
Input:
```

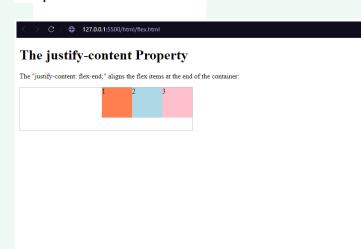




```
Align the flex items at tip of the container:

div{
display:flex;
justify-content:flex-end;
}
Input:
```





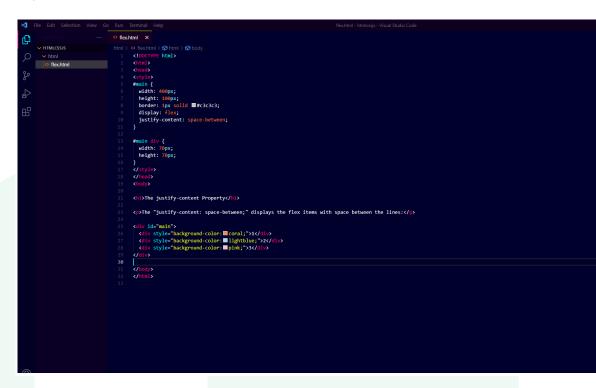
Display flex items with space between the lines:

div{
display:flex;

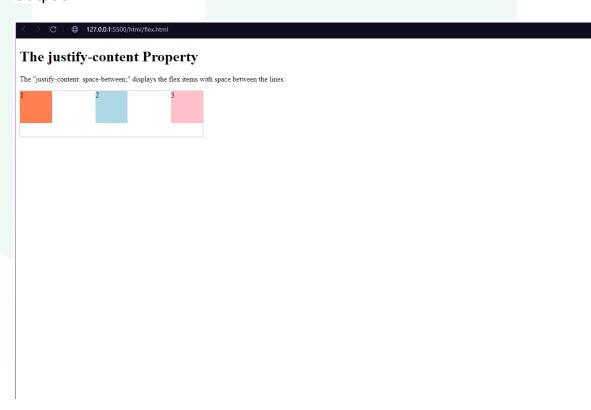
justify-content:space-between;}



### Input:



### Output:



Flex - Wrap definition:

The flex-wrap property specifies whether flexible items should wrap or not.



### Example:

Make the flexible items wrap if is specified :

 $\text{div}\{$ 

display:flex;

flex-wrap:wrap;

}

Input:

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```

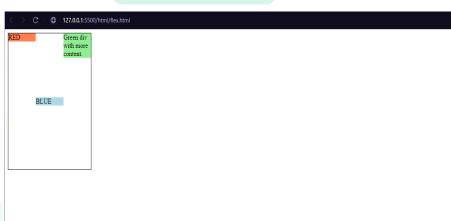


	< > C : ⊕ 127.0.0.1:5500/html/flex.html			
	The justify-content Property			
	The "justify-content: space-between;" displays the flex items with space between the lines:			
	Align-self:			
	The align-self property specifies the alignment for selected item			
inside the flexi				
	Example			
	Center the alignments for one amongst items a flexible			
element:				
	#myBlueDiv{			
	align-self:center;			
	}			



```
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```





#### References:

- 1. <a href="https://www.w3schools.com/css/css3">https://www.w3schools.com/css/css3</a> flexbox.asp
- 2. <a href="https://www.w3schools.com/css/css3\_flexbox\_container.asp">https://www.w3schools.com/css/css3\_flexbox\_container.asp</a>
- 3. <a href="https://www.w3schools.com/css/css3\_flexbox\_items.asp">https://www.w3schools.com/css/css3\_flexbox\_items.asp</a>
- 4. <a href="https://www.w3schools.com/css/css3">https://www.w3schools.com/css/css3</a> flexbox responsive.asp
- 5. <a href="https://www.youtube.com/watch?v=5qVuORLniwM">https://www.youtube.com/watch?v=5qVuORLniwM</a>
- 6. <a href="https://www.youtube.com/watch?v=JJSoEo8JSnc">https://www.youtube.com/watch?v=JJSoEo8JSnc</a>