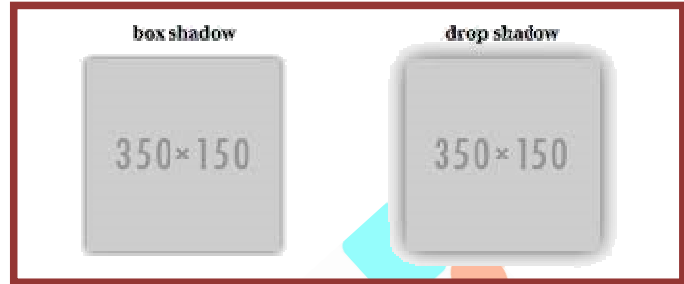


Module 02 - Using Box Shadow in CSS

Box Shadow

The box-shadow property in CSS is used to add shadow effects around an element's box, such as a div, button, or card. It helps give a 3D effect or depth to elements, making them visually stand out.



Why do we use Box-Shadow?

- **Adds Depth and Dimension:**
It makes flat elements look like they are raised above the page, giving a 3D effect.
- **Improves Visual Appeal:**
Shadows make elements like buttons, cards, and containers look more polished and attractive.
- **Enhances Focus and Hierarchy:**
Shadows can draw attention to important parts of the UI by making them stand out.
- **Creates Realistic Effects:**
Mimics natural light and shadow, helping designs feel more natural and easier on the eyes.
- **Separates Elements:**
Helps differentiate overlapping or closely placed elements by creating contrast.

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Properties of Box Shadow

Value	Description
none	Default value. No shadow is displayed
<i>h-offset</i>	Required. The horizontal offset of the shadow. A positive value puts the shadow on the right side of the box, a negative value puts the shadow on the left side of the box
<i>v-offset</i>	Required. The vertical offset of the shadow. A positive value puts the shadow below the box, a negative value puts the shadow above the box
<i>blur</i>	Optional. The blur radius. The higher the number, the more blurred the shadow will be
<i>spread</i>	Optional. The spread radius. A positive value increases the size of the shadow, a negative value decreases the size of the shadow
<i>color</i>	Optional. The color of the shadow. The default value is the text color. Look at CSS Color Values for a complete list of possible color values. Note: In Safari (on PC) the color parameter is required. If you do not specify the color, the shadow is not displayed at all.
inset	Optional. Changes the shadow from an outer shadow (outset) to an inner shadow
initial	Sets this property to its default value. Read about initial
inherit	Inherits this property from its parent element. Read about inherit

Browser Support in Box Shadow

Browser Support

The numbers in the table specify the first browser version that fully supports the property.

Property					
box-shadow	10	9	4	5	10.5

Difference Between Box Shadow and Border

Aspect	box-shadow	border
Purpose	Adds shadow outside/inside element	Adds outline around element
Affects Size?	✗No	☑Yes
Blur Support	☑Yes	✗No
Position Control	☑Yes (offsets)	✗No
Inset Option	☑Yes (inset)	✗No
Use For	Depth, hover effects, cards	Framing, structure, layout

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How do Shadows behave on Transparent Elements?

- Shadows still appear on elements even if the element is partially or fully transparent.
- If the background is transparent (background: transparent), the shadow will still be visible because it's applied to the box (border area), not the background.
- However, if the entire element (including content) has opacity: 0, the shadow will also be invisible

How to Remove a Box Shadow with CSS

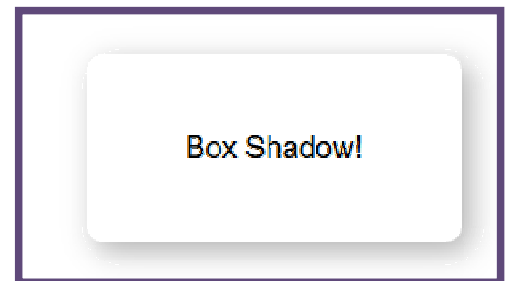
The box-shadow property is used to add shadow effects to an element. To remove or disable a box shadow, you can simply set it to none

Syntax of Box Shadow

box-shadow: offset-x offset-y blur-radius spread-radius color inset;

CSS Code on Box Shadow

```
<!DOCTYPE html>
<html>
<head>
<style>
.box {
width: 200px;
height: 100px;
background-color: #f2f2f2;
margin: 50px auto;
text-align: center;
line-height: 100px;
font-family: Arial, sans-serif;
box-shadow: 5px 5px 15px rgba(0, 0, 0, 0.3);
border-radius: 8px;
}
</style>
</head>
<body>
<div class="box">
Box Shadow!
```



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```
</div>  
</body>  
</html>
```

Assignment

- Take a <div> element in HTML.
- Set the width of the div to 300 pixels.
- Set the height of the div to 500 pixels.
- Set the line-height of the div's content to 50 pixels.
- Apply a border-radius of 7 pixels to give rounded corners.
- Add a box-shadow with these values:
 - Horizontal offset: 5px
 - Vertical offset: 5px
 - Blur radius: 15px
- Color: use an rgba color value (you can choose any RGBA color).
- Write clean CSS to style this div.
- Add some sample text inside the div to see the effects clearly.

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