



# JavaScript Window Screen

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The window.screen object contains information about the user's screen.

## Window Screen

The **window.screen** object can be written without the window prefix.

Properties:

- screen.width
- screen.height
- screen.availWidth
- screen.availHeight
- screen.colorDepth
- screen.pixelDepth

## Window Screen Width

The screen.width property returns the width of the visitor's screen in pixels.

### Example

Display the width of the screen in pixels:

```
document.getElementById("demo").innerHTML =  
"Screen Width: " + screen.width;
```

Result will be:

```
Screen Width: 1525
```

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The screen.height property returns the height of the visitor's screen in pixels.

## Example

Display the height of the screen in pixels:

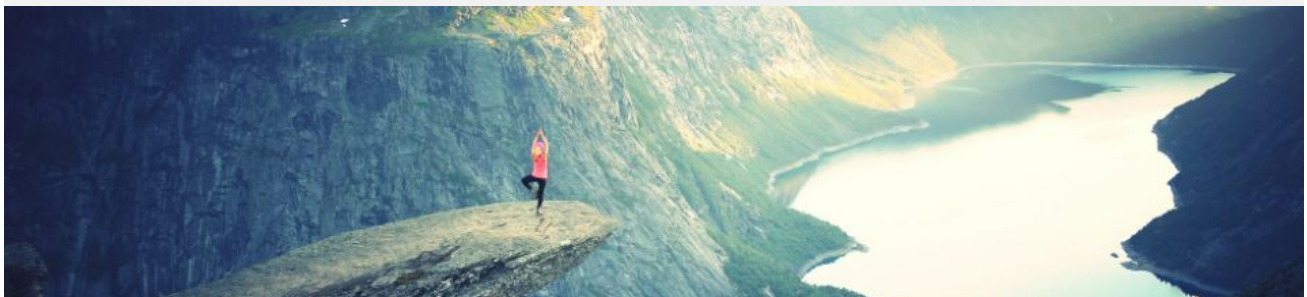
```
document.getElementById("demo").innerHTML =  
"Screen Height: " + screen.height;
```

Result will be:

```
Screen Height: 858
```

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## Window Screen Available Width

The screen.availWidth property returns the width of the visitor's screen, in pixels, minus interface features like the Windows Taskbar.

## Example

Display the available width of the screen in pixels:

```
document.getElementById("demo").innerHTML =  
"Available Screen Width: " + screen.availWidth;
```

Result will be:

```
Available Screen Width: 1525
```

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The `screen.availHeight` property returns the height of the visitor's screen, in pixels, minus interface features like the Windows Taskbar.

### Example

Display the available height of the screen in pixels:

```
document.getElementById("demo").innerHTML =  
"Available Screen Height: " + screen.availHeight;
```

Result will be:

```
Available Screen Height: 858
```

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## Window Screen Color Depth

The `screen.colorDepth` property returns the number of bits used to display one color.

All modern computers use 24 bit or 32 bit hardware for color resolution:

- 24 bits = 16,777,216 different "True Colors"
- 32 bits = 4,294,967,296 different "Deep Colors"

Older computers used 16 bits: 65,536 different "High Colors" resolution.

Very old computers, and old cell phones used 8 bits: 256 different "VGA colors".

### Example

Display the color depth of the screen in bits:

```
document.getElementById("demo").innerHTML =  
"Screen Color Depth: " + screen.colorDepth;
```

Result will be:

```
Screen Color Depth: 24
```

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The `#rrggbb` (rgb) values used in HTML represents "True Colors" (16,777,216 different colors)

## Window Screen Pixel Depth

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## Example

Display the pixel depth of the screen in bits:

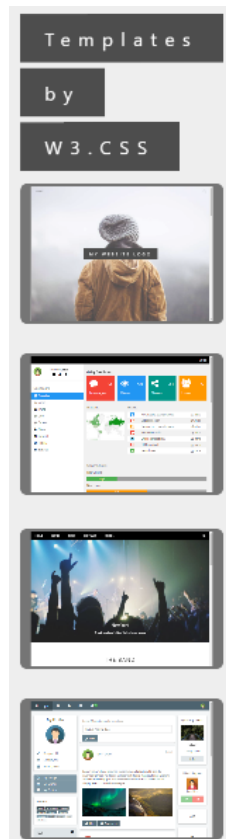
```
document.getElementById("demo").innerHTML =  
"Screen Pixel Depth: " + screen.pixelDepth;
```

Result will be:

```
Screen Pixel Depth: 24
```

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For modern computers, Color Depth and Pixel Depth are equal.

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COLOR PICKER