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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 =
```

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Result will be:

```
Screen Width: 1920
```

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Window Screen Height

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: 1080
```

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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:

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~~Available Screen Width~~

Result will be:

```
Available Screen Width: 1920
```

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Window Screen Available Height

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: 1080
```

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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"

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

The `screen.pixelDepth` property returns the pixel depth of the screen.

Example

Display the pixel depth of the screen in bits:

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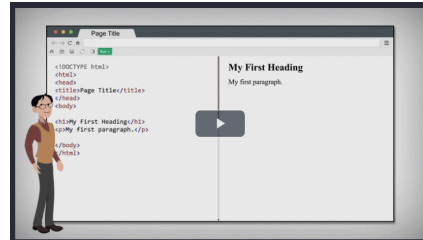
Result will be:

```
Screen Pixel Depth: 24
```

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

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