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How to greyscale

Purpose: The goal of this research was to understand how greyscale filters improve accessibility for users with color vision deficiencies, and how they can be implemented effectively in a web-based application.

Key Findings: Greyscale filters remove color saturation, allowing users to focus on contrast and brightness. Useful for testing color contrast ratios and ensuring compliance with WCAG 2.1 accessibility standards. Can simulate how users with color blindness perceive UI elements. Helps developers identify areas where color dependence might prevent accessibility.

Implementation

Notes In CSS:

```
/* Apply greyscale filter to an element */
```

```
img
{
    filter: grayscale(100%);
}
```

In JavaScript (toggle example):

```
function toggleGreyscale()
{
    document.body.classList.toggle("greyscale");
}
```

CSS toggle class:

```
.greyscale
{
```

```
    filter: grayscale(100%);  
}
```

Use Cases: Testing UI elements for accessibility. Allowing users to toggle greyscale mode as a custom accessibility feature. Improving visibility for users with red-green color blindness.