

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

**Hex(66292D) Hex(85252B) Hex(4C6629) Hex(332E2E) Hex(730008) Hex(F20010)**

|             | Hex(66292D)                        | Hex(85252B)                        | Hex(4C6629)                        | Hex(332E2E)                         | Hex(730008)                        | Hex(F20010)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(66292D) |                                    | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 2.49<br>Failed <sup>5</sup>  |
| Hex(85252B) | Ratio: 1.20<br>Failed <sup>5</sup> |                                    | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup>  | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup>  |
| Hex(4C6629) | Ratio: 1.69<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> |                                    | Ratio: 2.06<br>Failed <sup>5</sup>  | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup>  |
| Hex(332E2E) | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 2.06<br>Failed <sup>5</sup> |                                     | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 3.04<br>AA 18pt <sup>2</sup> |
| Hex(730008) | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup>  |                                    | Ratio: 2.76<br>Failed <sup>5</sup>  |
| Hex(F20010) | Ratio: 2.49<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 3.04<br>AA 18pt <sup>2</sup> | Ratio: 2.76<br>Failed <sup>5</sup> |                                     |

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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