

# Converting Colors - WCAG Matrix

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

**Hex(573033) Hex(703438) Hex(574030) Hex(2B2727) Hex(6B0008) Hex(EB0012)**

|             | Hex(573033)                        | Hex(703438)                        | Hex(574030)                        | Hex(2B2727)                         | Hex(6B0008)                        | Hex(EB0012)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(573033) |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 2.42<br>Failed <sup>5</sup>  |
| Hex(703438) | Ratio: 1.19<br>Failed <sup>5</sup> |                                    | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 2.03<br>Failed <sup>5</sup>  |
| Hex(574030) | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup> |                                    | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup>  |
| Hex(2B2727) | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> |                                     | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> |
| Hex(6B0008) | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup>  |                                    | Ratio: 2.79<br>Failed <sup>5</sup>  |
| Hex(EB0012) | Ratio: 2.42<br>Failed <sup>5</sup> | Ratio: 2.03<br>Failed <sup>5</sup> | Ratio: 2.08<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 2.79<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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