

# Converting Colors - WCAG Matrix

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

**Hex(594714) Hex(403100) Hex(281C00) Hex(0A0200) Hex(000000)**

|             | Hex(594714)                        | Hex(403100)                        | Hex(281C00)                        | Hex(0A0200)                        | Hex(000000)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(594714) |                                    | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 2.29<br>Failed <sup>5</sup> | Ratio: 2.34<br>Failed <sup>5</sup> |
| Hex(403100) | Ratio: 1.41<br>Failed <sup>5</sup> |                                    | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup> |
| Hex(281C00) | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> |                                    | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> |
| Hex(0A0200) | Ratio: 2.29<br>Failed <sup>5</sup> | Ratio: 1.62<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> |                                    | Ratio: 1.02<br>Failed <sup>5</sup> |
| Hex(000000) | Ratio: 2.34<br>Failed <sup>5</sup> | Ratio: 1.66<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.02<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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