

# Converting Colors - WCAG Matrix

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

**Hex(8F6931) Hex(745119) Hex(593A00) Hex(3F2500) Hex(261100) Hex(000000)**

|             | Hex(8F6931)                         | Hex(745119)                        | Hex(593A00)                        | Hex(3F2500)                        | Hex(261100)                         | Hex(000000)                         |
|-------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Hex(8F6931) |                                     | Ratio: 1.44<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 2.87<br>Failed <sup>5</sup> | Ratio: 3.64<br>AA 18pt <sup>2</sup> | Ratio: 4.23<br>AA 18pt <sup>2</sup> |
| Hex(745119) | Ratio: 1.44<br>Failed <sup>5</sup>  |                                    | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 2.52<br>Failed <sup>5</sup>  | Ratio: 2.93<br>Failed <sup>5</sup>  |
| Hex(593A00) | Ratio: 2.09<br>Failed <sup>5</sup>  | Ratio: 1.45<br>Failed <sup>5</sup> |                                    | Ratio: 1.38<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 2.03<br>Failed <sup>5</sup>  |
| Hex(3F2500) | Ratio: 2.87<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup> |                                    | Ratio: 1.27<br>Failed <sup>5</sup>  | Ratio: 1.48<br>Failed <sup>5</sup>  |
| Hex(261100) | Ratio: 3.64<br>AA 18pt <sup>2</sup> | Ratio: 2.52<br>Failed <sup>5</sup> | Ratio: 1.75<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> |                                     | Ratio: 1.16<br>Failed <sup>5</sup>  |
| Hex(000000) | Ratio: 4.23<br>AA 18pt <sup>2</sup> | Ratio: 2.93<br>Failed <sup>5</sup> | Ratio: 2.03<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.16<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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