

# Converting Colors - WCAG Matrix

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

|             | Hex(A98A39)                                             | Hex(8D7120)                                             | Hex(715801)                         | Hex(574100)                        | Hex(3D2C00)                         | Hex(241700)                                             | Hex(000000)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(A98A39) |                                                         | Ratio: 1.41<br>Failed <sup>5</sup>                      | Ratio: 2.06<br>Failed <sup>5</sup>  | Ratio: 2.95<br>Failed <sup>5</sup> | Ratio: 4.09<br>AA 18pt <sup>2</sup> | Ratio: 5.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.38<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(8D7120) | Ratio: 1.41<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.46<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 2.90<br>Failed <sup>5</sup>  | Ratio: 3.77<br>AA 18pt <sup>2</sup>                     | Ratio: 4.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(715801) | Ratio: 2.06<br>Failed <sup>5</sup>                      | Ratio: 1.46<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.99<br>Failed <sup>5</sup>  | Ratio: 2.59<br>Failed <sup>5</sup>                      | Ratio: 3.10<br>AA 18pt <sup>2</sup>                     |
| Hex(574100) | Ratio: 2.95<br>Failed <sup>5</sup>                      | Ratio: 2.09<br>Failed <sup>5</sup>                      | Ratio: 1.43<br>Failed <sup>5</sup>  |                                    | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.80<br>Failed <sup>5</sup>                      | Ratio: 2.16<br>Failed <sup>5</sup>                      |
| Hex(3D2C00) | Ratio: 4.09<br>AA 18pt <sup>2</sup>                     | Ratio: 2.90<br>Failed <sup>5</sup>                      | Ratio: 1.99<br>Failed <sup>5</sup>  | Ratio: 1.39<br>Failed <sup>5</sup> |                                     | Ratio: 1.30<br>Failed <sup>5</sup>                      | Ratio: 1.56<br>Failed <sup>5</sup>                      |
| Hex(241700) | Ratio: 5.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.77<br>AA 18pt <sup>2</sup>                     | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.20<br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: 6.38<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.10<br>AA 18pt <sup>2</sup> | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 1.20<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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