

Converting Colors - WCAG Matrix

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

| | Hex(D09F9E) | Hex(B48584) | Hex(996B6B) | Hex(7E5353) | Hex(653B3C) | Hex(4C2526) | Hex(341012) | Hex(200001) | Hex(000000) |
|-------------|---|---|---|-------------------------------------|-------------------------------------|---|---|---|---|
| Hex(D09F9E) | | Ratio: 1.38 Failed ⁵ | Ratio: 1.96 Failed ⁵ | Ratio: 2.81 Failed ⁵ | Ratio: 4.07 AA 18pt ² | Ratio: 5.71 AA ¹ AAA 18pt ⁴ | Ratio: 7.43 Passed ⁶ | Ratio: 8.60 Passed ⁶ | Ratio: 9.13 Passed ⁶ |
| Hex(B48584) | Ratio: 1.38 Failed ⁵ | | Ratio: 1.42 Failed ⁵ | Ratio: 2.04 Failed ⁵ | Ratio: 2.95 Failed ⁵ | Ratio: 4.14 AA 18pt ² | Ratio: 5.39 AA ¹ AAA 18pt ⁴ | Ratio: 6.24 AA ¹ AAA 18pt ⁴ | Ratio: 6.63 AA ¹ AAA 18pt ⁴ |
| Hex(996B6B) | Ratio: 1.96 Failed ⁵ | Ratio: 1.42 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 2.92 Failed ⁵ | Ratio: 3.80 AA 18pt ² | Ratio: 4.40 AA 18pt ² | Ratio: 4.67 AA ¹ AAA 18pt ⁴ |
| Hex(7E5353) | Ratio: 2.81 Failed ⁵ | Ratio: 2.04 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.45 Failed ⁵ | Ratio: 2.03 Failed ⁵ | Ratio: 2.64 Failed ⁵ | Ratio: 3.06 AA 18pt ² | Ratio: 3.25 AA 18pt ² |
| Hex(653B3C) | Ratio: 4.07 AA 18pt ² | Ratio: 2.95 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 1.45 Failed ⁵ | | Ratio: 1.40 Failed ⁵ | Ratio: 1.83 Failed ⁵ | Ratio: 2.11 Failed ⁵ | Ratio: 2.24 Failed ⁵ |
| Hex(4C2526) | Ratio: 5.71 AA ¹ AAA 18pt ⁴ | Ratio: 4.14 AA 18pt ² | Ratio: 2.92 Failed ⁵ | Ratio: 2.03 Failed ⁵ | Ratio: 1.40 Failed ⁵ | | Ratio: 1.30 Failed ⁵ | Ratio: 1.51 Failed ⁵ | Ratio: 1.60 Failed ⁵ |
| Hex(341012) | Ratio: 7.43 Passed ⁶ | Ratio: 5.39 AA ¹ AAA 18pt ⁴ | Ratio: 3.80 AA 18pt ² | Ratio: 2.64 Failed ⁵ | Ratio: 1.83 Failed ⁵ | Ratio: 1.30 Failed ⁵ | | Ratio: 1.16 Failed ⁵ | Ratio: 1.23 Failed ⁵ |
| Hex(200001) | Ratio: 8.60 Passed ⁶ | Ratio: 6.24 AA ¹ AAA 18pt ⁴ | Ratio: 4.40 AA 18pt ² | Ratio: 3.06 AA 18pt ² | Ratio: 2.11 Failed ⁵ | Ratio: 1.51 Failed ⁵ | Ratio: 1.16 Failed ⁵ | | Ratio: 1.06 Failed ⁵ |
| Hex(000000) | Ratio: 9.13 Passed ⁶ | Ratio: 6.63 AA ¹ AAA 18pt ⁴ | Ratio: 4.67 AA ¹ AAA 18pt ⁴ | Ratio: 3.25 AA 18pt ² | Ratio: 2.24 Failed ⁵ | Ratio: 1.60 Failed ⁵ | Ratio: 1.23 Failed ⁵ | Ratio: 1.06 Failed ⁵ | |

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

¹ AA

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

² AA 18pt

AA level for large text above 18pt.

³ AAA

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

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

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

⁶ Passed

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