

Converting Colors - WCAG Matrix

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

| | Hex(FFFDE6) | Hex(E3E1CA) | Hex(C7C5AF) | Hex(ABA994) | Hex(918F7A) | Hex(777561) | Hex(5E5D49) | Hex(464533) | Hex(302F1E) | Hex(1C1A05) |
|-------------|---|---|---|---|---|---|---|---|---|---|
| Hex(FFFDE6) | | Ratio: 1.29 Failed ⁵ | Ratio: 1.70 Failed ⁵ | Ratio: 2.31 Failed ⁵ | Ratio: 3.19 AA 18pt ² | Ratio: 4.54 AA ¹ AAA 18pt ⁴ | Ratio: 6.52 AA ¹ AAA 18pt ⁴ | Ratio: 9.47 Passed ⁶ | Ratio: 13.18 Passed ⁶ | Ratio: 17.05 Passed ⁶ |
| Hex(E3E1CA) | Ratio: 1.29 Failed ⁵ | | Ratio: 1.32 Failed ⁵ | Ratio: 1.80 Failed ⁵ | Ratio: 2.48 Failed ⁵ | Ratio: 3.53 AA 18pt ² | Ratio: 5.06 AA ¹ AAA 18pt ⁴ | Ratio: 7.36 Passed ⁶ | Ratio: 10.24 Passed ⁶ | Ratio: 13.25 Passed ⁶ |
| Hex(C7C5AF) | Ratio: 1.70 Failed ⁵ | Ratio: 1.32 Failed ⁵ | | Ratio: 1.36 Failed ⁵ | Ratio: 1.88 Failed ⁵ | Ratio: 2.67 Failed ⁵ | Ratio: 3.84 AA 18pt ² | Ratio: 5.57 AA ¹ AAA 18pt ⁴ | Ratio: 7.76 Passed ⁶ | Ratio: 10.03 Passed ⁶ |
| Hex(ABA994) | Ratio: 2.31 Failed ⁵ | Ratio: 1.80 Failed ⁵ | Ratio: 1.36 Failed ⁵ | | Ratio: 1.38 Failed ⁵ | Ratio: 1.96 Failed ⁵ | Ratio: 2.82 Failed ⁵ | Ratio: 4.09 AA 18pt ² | Ratio: 5.70 AA ¹ AAA 18pt ⁴ | Ratio: 7.37 Passed ⁶ |
| Hex(918F7A) | Ratio: 3.19 AA 18pt ² | Ratio: 2.48 Failed ⁵ | Ratio: 1.88 Failed ⁵ | Ratio: 1.38 Failed ⁵ | | Ratio: 1.42 Failed ⁵ | Ratio: 2.04 Failed ⁵ | Ratio: 2.97 Failed ⁵ | Ratio: 4.14 AA 18pt ² | Ratio: 5.35 AA ¹ AAA 18pt ⁴ |
| Hex(777561) | Ratio: 4.54 AA ¹ AAA 18pt ⁴ | Ratio: 3.53 AA 18pt ² | Ratio: 2.67 Failed ⁵ | Ratio: 1.96 Failed ⁵ | Ratio: 1.42 Failed ⁵ | | Ratio: 1.43 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 2.90 Failed ⁵ | Ratio: 3.75 AA 18pt ² |
| Hex(5E5D49) | Ratio: 6.52 AA ¹ AAA 18pt ⁴ | Ratio: 5.06 AA ¹ AAA 18pt ⁴ | Ratio: 3.84 AA 18pt ² | Ratio: 2.82 Failed ⁵ | Ratio: 2.04 Failed ⁵ | Ratio: 1.43 Failed ⁵ | | Ratio: 1.45 Failed ⁵ | Ratio: 2.02 Failed ⁵ | Ratio: 2.62 Failed ⁵ |
| Hex(464533) | Ratio: 9.47 Passed ⁶ | Ratio: 7.36 Passed ⁶ | Ratio: 5.57 AA ¹ AAA 18pt ⁴ | Ratio: 4.09 AA 18pt ² | Ratio: 2.97 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 1.45 Failed ⁵ | | Ratio: 1.39 Failed ⁵ | Ratio: 1.80 Failed ⁵ |
| Hex(302F1E) | Ratio: 13.18 Passed ⁶ | Ratio: 10.24 Passed ⁶ | Ratio: 7.76 Passed ⁶ | Ratio: 5.70 AA ¹ AAA 18pt ⁴ | Ratio: 4.14 AA 18pt ² | Ratio: 2.90 Failed ⁵ | Ratio: 2.02 Failed ⁵ | Ratio: 1.39 Failed ⁵ | | Ratio: 1.29 Failed ⁵ |
| Hex(1C1A05) | Ratio: 17.05 Passed ⁶ | Ratio: 13.25 Passed ⁶ | Ratio: 10.03 Passed ⁶ | Ratio: 7.37 Passed ⁶ | Ratio: 5.35 AA ¹ AAA 18pt ⁴ | Ratio: 3.75 AA 18pt ² | Ratio: 2.62 Failed ⁵ | Ratio: 1.80 Failed ⁵ | Ratio: 1.29 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.

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