

Converting Colors - WCAG Matrix

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

Hex(FFFFFF) Hex(FFFCF8) Hex(FFE0DB) Hex(E7C4C0) Hex(CBA8A4) Hex(AF8E8A) Hex(947471) Hex(7A5C58) Hex(614441) Hex(492E2B)

Hex(FFFFFF)	Ratio: 1.02 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 6.00 AA ¹ AAA 18pt ⁴	Ratio: 8.71 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(FFFCF8)	Ratio: 1.02 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 8.51 Passed ⁶	Ratio: 12.01 Passed ⁶
Hex(FFE0DB)	Ratio: 1.24 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 9.91 Passed ⁶
Hex(E7C4C0)	Ratio: 1.61 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶
Hex(CBA8A4)	Ratio: 2.17 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴
Hex(AF8E8A)	Ratio: 2.97 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.13 AA 18pt ²
Hex(947471)	Ratio: 4.20 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(7A5C58)	Ratio: 6.00 AA ¹ AAA 18pt ⁴	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(614441)	Ratio: 8.71 Passed ⁶	Ratio: 8.51 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(492E2B)	Ratio: 12.29 Passed ⁶	Ratio: 12.01 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 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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