

Converting Colors - WCAG Matrix

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

	Hex(E7DFCC)	Hex(CBC3B1)	Hex(AFA896)	Hex(958E7C)	Hex(7B7463)	Hex(625B4B)	Hex(4A4435)	Hex(332E1F)	Hex(1E1908)	Hex(FFFFFF)
Hex(E7DFCC)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 7.29 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 13.21 Passed ⁶	Ratio: 1.33 Failed ⁵
Hex(CBC3B1)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 1.75 Failed ⁵
Hex(AFA896)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 2.37 Failed ⁵
Hex(958E7C)	Ratio: 2.46 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²
Hex(7B7463)	Ratio: 3.50 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴
Hex(625B4B)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 6.74 AA ¹ AAA 18pt ⁴
Hex(4A4435)	Ratio: 7.29 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 9.68 Passed ⁶
Hex(332E1F)	Ratio: 10.20 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 13.54 Passed ⁶
Hex(1E1908)	Ratio: 13.21 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 17.53 Passed ⁶
Hex(FFFFFF)	Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 9.68 Passed ⁶	Ratio: 13.54 Passed ⁶	Ratio: 17.53 Passed ⁶	

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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