

Converting Colors - WCAG Matrix

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

	Hex(FEFBF8)	Hex(E1DEDB)	Hex(C5C3C0)	Hex(AAA7A5)	Hex(908D8A)	Hex(767371)	Hex(5D5B58)	Hex(464341)	Hex(2F2D2B)	Hex(1B1917)
Hex(FEFBF8)		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 9.52 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 17.00 Passed ⁶
Hex(E1DEDB)	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 13.08 Passed ⁶
Hex(C5C3C0)	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.80 Passed ⁶	Ratio: 9.97 Passed ⁶
Hex(AAA7A5)	Ratio: 2.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶
Hex(908D8A)	Ratio: 3.20 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴
Hex(767371)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.72 AA 18pt ²
Hex(5D5B58)	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(464341)	Ratio: 9.52 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(2F2D2B)	Ratio: 13.30 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 7.80 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(1B1917)	Ratio: 17.00 Passed ⁶	Ratio: 13.08 Passed ⁶	Ratio: 9.97 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.28 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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