

Converting Colors - WCAG Matrix

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

	Hex(FAEBD7)	Hex(DDCFB8)	Hex(C1B3A0)	Hex(A69986)	Hex(8C7F6D)	Hex(726654)	Hex(594E3D)	Hex(413727)	Hex(2B2213)	Hex(160C00)
Hex(FAEBD7)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 9.96 Passed ⁶	Ratio: 13.37 Passed ⁶	Ratio: 16.50 Passed ⁶
Hex(DDCFB8)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 12.62 Passed ⁶
Hex(C1B3A0)	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.41 Passed ⁶
Hex(A69986)	Ratio: 2.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(8C7F6D)	Ratio: 3.34 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴
Hex(726654)	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(594E3D)	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(413727)	Ratio: 9.96 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(2B2213)	Ratio: 13.37 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(160C00)	Ratio: 16.50 Passed ⁶	Ratio: 12.62 Passed ⁶	Ratio: 9.41 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.23 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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