

Converting Colors - WCAG Matrix

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

	Hex(F2DCC2)	Hex(D6C0A7)	Hex(BAA58C)	Hex(9F8B73)	Hex(84725A)	Hex(6A5942)	Hex(52422C)	Hex(3A2C17)	Hex(251700)	Hex(000000)
Hex(F2DCC2)		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 13.15 Passed ⁶	Ratio: 15.79 Passed ⁶
Hex(D6C0A7)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 11.96 Passed ⁶
Hex(BAA58C)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 8.85 Passed ⁶
Hex(9F8B73)	Ratio: 2.46 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(84725A)	Ratio: 3.48 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴
Hex(6A5942)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(52422C)	Ratio: 7.26 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(3A2C17)	Ratio: 10.17 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(251700)	Ratio: 13.15 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 7.37 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(000000)	Ratio: 15.79 Passed ⁶	Ratio: 11.96 Passed ⁶	Ratio: 8.85 Passed ⁶	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.12 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.20 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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