

Converting Colors - WCAG Matrix

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

	Hex(FFE8DC)	Hex(FFCBC0)	Hex(F1B0A5)	Hex(D4958B)	Hex(B77B71)	Hex(9B6259)	Hex(804942)	Hex(66322B)	Hex(4C1C17)	Hex(340500)
Hex(FFE8DC)		Ratio: 1.22 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 8.67 Passed ⁶	Ratio: 12.00 Passed ⁶	Ratio: 15.27 Passed ⁶
Hex(FFCBC0)	Ratio: 1.22 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 12.46 Passed ⁶
Hex(F1B0A5)	Ratio: 1.55 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.84 Passed ⁶
Hex(D4958B)	Ratio: 2.10 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶
Hex(B77B71)	Ratio: 2.93 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(9B6259)	Ratio: 4.16 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.67 AA 18pt ²
Hex(804942)	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(66322B)	Ratio: 8.67 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(4C1C17)	Ratio: 12.00 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(340500)	Ratio: 15.27 Passed ⁶	Ratio: 12.46 Passed ⁶	Ratio: 9.84 Passed ⁶	Ratio: 7.25 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 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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