

Converting Colors - WCAG Matrix

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

	Hex(431D17)	Hex(5C332C)	Hex(764A42)	Hex(906259)	Hex(AC7B72)	Hex(C8958B)	Hex(E4B0A5)	Hex(FFCBC1)	Hex(FFE7DC)	Hex(FFFFF9)
Hex(431D17)		Ratio: 1.38 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 12.42 Passed ⁶	Ratio: 14.66 Passed ⁶
Hex(5C332C)	Ratio: 1.38 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 9.02 Passed ⁶	Ratio: 10.65 Passed ⁶
Hex(764A42)	Ratio: 1.98 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶
Hex(906259)	Ratio: 2.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴
Hex(AC7B72)	Ratio: 4.09 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.59 AA 18pt ²
Hex(C8958B)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(E4B0A5)	Ratio: 7.75 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(FFCBC1)	Ratio: 10.21 Passed ⁶	Ratio: 7.41 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFE7DC)	Ratio: 12.42 Passed ⁶	Ratio: 9.02 Passed ⁶	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(FFFFF9)	Ratio: 14.66 Passed ⁶	Ratio: 10.65 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.18 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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