

Converting Colors - WCAG Matrix

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

	Hex(571A1A)	Hex(FFFFFF)	Hex(8D4945)	Hex(A9625D)	Hex(C57B75)	Hex(E2968F)	Hex(FFB1A9)	Hex(FFCC5)	Hex(FFE9E1)
Hex(571A1A)		Ratio: 13.38 Passed ⁶	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.37 Passed ⁶	Ratio: 11.48 Passed ⁶
Hex(FFFFFF)	Ratio: 13.38 Passed ⁶		Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(8D4945)	Ratio: 2.02 Failed ⁵	Ratio: 6.61 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴
Hex(A9625D)	Ratio: 2.93 Failed ⁵	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.92 AA 18pt ²
Hex(C57B75)	Ratio: 4.12 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(E2968F)	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 2.33 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FFB1A9)	Ratio: 7.73 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFCC5)	Ratio: 9.37 Passed ⁶	Ratio: 1.43 Failed ⁵	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE9E1)	Ratio: 11.48 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 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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