

Converting Colors - WCAG Matrix

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

	Hex(540000)	Hex(FFF2E1)	Hex(8C372F)	Hex(A94F45)	Hex(C6695D)	Hex(E48376)	Hex(FF9E90)	Hex(FFB9AA)	Hex(FFD5C5)
Hex(540000)		Ratio: 13.83 Passed ⁶	Ratio: 1.96 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.28 Passed ⁶	Ratio: 11.31 Passed ⁶
Hex(FFF2E1)	Ratio: 13.83 Passed ⁶		Ratio: 7.05 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(8C372F)	Ratio: 1.96 Failed ⁵	Ratio: 7.05 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(A94F45)	Ratio: 2.83 Failed ⁵	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.00 AA 18pt ²
Hex(C6695D)	Ratio: 4.05 AA 18pt ²	Ratio: 3.41 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(E48376)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 2.44 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FF9E90)	Ratio: 7.66 Passed ⁶	Ratio: 1.81 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(FFB9AA)	Ratio: 9.28 Passed ⁶	Ratio: 1.49 Failed ⁵	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFD5C5)	Ratio: 11.31 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.48 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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