

Converting Colors - WCAG Matrix

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

	Hex(7F1A1A)	Hex(9C352F)	Hex(BA4F46)	Hex(D8695D)	Hex(F78476)	Hex(FF9F90)	Hex(FFBBAB)	Hex(FFD7C6)	Hex(FFF4E2)	Hex(FFFFFF)
Hex(7F1A1A)		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 9.34 Passed ⁶	Ratio: 10.17 Passed ⁶
Hex(9C352F)	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶
Hex(BA4F46)	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(D8695D)	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.44 AA 18pt ²
Hex(F78476)	Ratio: 4.12 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(FF9F90)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(FFBBAB)	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(FFD7C6)	Ratio: 7.65 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(FFF4E2)	Ratio: 9.34 Passed ⁶	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFFFF)	Ratio: 10.17 Passed ⁶	Ratio: 7.09 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 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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