

Converting Colors - WCAG Matrix

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

	Hex(7D1C1C)	Hex(FFFFFF)	Hex(B85047)	Hex(D66A5F)	Hex(F48578)	Hex(FFA092)	Hex(FFBBAC)	Hex(FFD8C8)	Hex(FFF5E4)
Hex(7D1C1C)		Ratio: 10.22 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.46 Passed ⁶
Hex(FFFFFF)	Ratio: 10.22 Passed ⁶		Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(B85047)	Ratio: 2.08 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴
Hex(D66A5F)	Ratio: 2.96 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.19 AA 18pt ²
Hex(F48578)	Ratio: 4.12 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(FFA092)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 1.96 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFBBAC)	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 1.62 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFD8C8)	Ratio: 7.74 Passed ⁶	Ratio: 1.32 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF5E4)	Ratio: 9.46 Passed ⁶	Ratio: 1.08 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 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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