

Converting Colors - WCAG Matrix

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

	Hex(883829)	Hex(FFFFFF)	Hex(C26A57)	Hex(E0846F)	Hex(FE9E89)	Hex(FFBAA3)	Hex(FFD6BE)	Hex(FFF2DA)	Hex(FFFFF7)
Hex(883829)		Ratio: 7.94 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶	Ratio: 7.90 Passed ⁶
Hex(FFFFFF)	Ratio: 7.94 Passed ⁶		Ratio: 3.82 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(C26A57)	Ratio: 2.08 Failed ⁵	Ratio: 3.82 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 3.80 AA 18pt ²
Hex(E0846F)	Ratio: 2.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(FE9E89)	Ratio: 3.96 AA 18pt ²	Ratio: 2.01 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FFBAA3)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 1.64 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(FFD6BE)	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 1.34 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(FFF2DA)	Ratio: 7.17 Passed ⁶	Ratio: 1.11 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(FFFFF7)	Ratio: 7.90 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.10 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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