

Converting Colors - WCAG Matrix

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

	Hex(8A001D)	Hex(FFFFFF)	Hex(C64649)	Hex(E56160)	Hex(FF7C79)	Hex(FF9893)	Hex(FFB4AE)	Hex(FFD0C9)	Hex(FFEDE5)
Hex(8A001D)		Ratio: 10.01 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶	Ratio: 8.81 Passed ⁶
Hex(FFFFFF)	Ratio: 10.01 Passed ⁶		Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(C64649)	Ratio: 2.08 Failed ⁵	Ratio: 4.80 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(E56160)	Ratio: 2.96 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(FF7C79)	Ratio: 4.01 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(FF9893)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFB4AE)	Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 1.69 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFD0C9)	Ratio: 7.20 Passed ⁶	Ratio: 1.39 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFEDE5)	Ratio: 8.81 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.82 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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