

Converting Colors - WCAG Matrix

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

	Hex(520009)	Hex(FFF1E9)	Hex(893635)	Hex(A64F4C)	Hex(C36864)	Hex(E0827C)	Hex(FE9D96)	Hex(FFB8B1)	Hex(FFD5CC)
Hex(520009)		Ratio: 13.95 Passed ⁶	Ratio: 1.94 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.35 Passed ⁶	Ratio: 11.48 Passed ⁶
Hex(FFF1E9)	Ratio: 13.95 Passed ⁶		Ratio: 7.19 Passed ⁶	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(893635)	Ratio: 1.94 Failed ⁵	Ratio: 7.19 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴
Hex(A64F4C)	Ratio: 2.82 Failed ⁵	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.07 AA 18pt ²
Hex(C36864)	Ratio: 4.02 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(E0827C)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 2.48 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(FE9D96)	Ratio: 7.69 Passed ⁶	Ratio: 1.81 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFB8B1)	Ratio: 9.35 Passed ⁶	Ratio: 1.49 Failed ⁵	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFD5CC)	Ratio: 11.48 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 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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