

Converting Colors - WCAG Matrix

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

	Hex(341A1B)	Hex(FFFFFF)	Hex(644647)	Hex(7E5D5E)	Hex(987677)	Hex(B39091)	Hex(CFABAB)	Hex(EBC6C6)	Hex(FFE2E2)
Hex(341A1B)		Ratio: 16.04 Passed ⁶	Ratio: 1.92 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 13.16 Passed ⁶
Hex(FFFFFF)	Ratio: 16.04 Passed ⁶		Ratio: 8.37 Passed ⁶	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(644647)	Ratio: 1.92 Failed ⁵	Ratio: 8.37 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴
Hex(7E5D5E)	Ratio: 2.76 Failed ⁵	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(987677)	Ratio: 3.97 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(B39091)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 2.87 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(CFABAB)	Ratio: 7.69 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(EBC6C6)	Ratio: 10.25 Passed ⁶	Ratio: 1.56 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(FFE2E2)	Ratio: 13.16 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 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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