

Converting Colors - WCAG Matrix

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

	Hex(421B1B)	Hex(FFFFFFE)	Hex(754746)	Hex(8F5F5D)	Hex(AB7876)	Hex(C69290)	Hex(E3ADAA)	Hex(FFC8C5)	Hex(FFE5E1)
Hex(421B1B)		Ratio: 14.95 Passed ⁶	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 12.50 Passed ⁶
Hex(FFFFFFE)	Ratio: 14.95 Passed ⁶		Ratio: 7.64 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(754746)	Ratio: 1.96 Failed ⁵	Ratio: 7.64 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.39 AA ¹ AAA 18pt ⁴
Hex(8F5F5D)	Ratio: 2.82 Failed ⁵	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(AB7876)	Ratio: 4.04 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(C69290)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 2.65 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(E3ADAA)	Ratio: 7.71 Passed ⁶	Ratio: 1.94 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(FFC8C5)	Ratio: 10.20 Passed ⁶	Ratio: 1.47 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFE5E1)	Ratio: 12.50 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.62 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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