

Converting Colors - WCAG Matrix

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

	Hex(51221A)	Hex(FFFFFFD)	Hex(855045)	Hex(A1695D)	Hex(BD8275)	Hex(D99C8F)	Hex(F6B7A9)	Hex(FFD3C5)	Hex(FFF0E1)
Hex(51221A)		Ratio: 13.16 Passed ⁶	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.65 Passed ⁶	Ratio: 11.80 Passed ⁶
Hex(FFFFFFD)	Ratio: 13.16 Passed ⁶		Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(855045)	Ratio: 2.03 Failed ⁵	Ratio: 6.49 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 5.82 AA ¹ AAA 18pt ⁴
Hex(A1695D)	Ratio: 2.95 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.01 AA 18pt ²
Hex(BD8275)	Ratio: 4.15 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(D99C8F)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.30 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(F6B7A9)	Ratio: 7.70 Passed ⁶	Ratio: 1.71 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(FFD3C5)	Ratio: 9.65 Passed ⁶	Ratio: 1.36 Failed ⁵	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF0E1)	Ratio: 11.80 Passed ⁶	Ratio: 1.12 Failed ⁵	Ratio: 5.82 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.53 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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