

Converting Colors - WCAG Matrix

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

	Hex(50372B)	Hex(FFFFFF)	Hex(826659)	Hex(9C7F71)	Hex(B8998B)	Hex(D4B3A5)	Hex(F0CFC0)	Hex(FFEBDC)	Hex(FFFFF9)
Hex(50372B)		Ratio: 10.92 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 9.45 Passed ⁶	Ratio: 10.88 Passed ⁶
Hex(FFFFFF)	Ratio: 10.92 Passed ⁶		Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(826659)	Ratio: 2.08 Failed ⁵	Ratio: 5.26 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴
Hex(9C7F71)	Ratio: 2.96 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.68 AA 18pt ²
Hex(B8998B)	Ratio: 4.14 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(D4B3A5)	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 1.95 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(F0CFC0)	Ratio: 7.49 Passed ⁶	Ratio: 1.46 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFEBDC)	Ratio: 9.45 Passed ⁶	Ratio: 1.16 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(FFFFF9)	Ratio: 10.88 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.15 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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