

Converting Colors - WCAG Matrix

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

	Hex(4A1D2C)	Hex(FFFFFF)	Hex(7D4B5A)	Hex(976472)	Hex(B37D8B)	Hex(CE97A6)	Hex(EBB2C1)	Hex(FFCEDD)	Hex(FFEAF9)
Hex(4A1D2C)		Ratio: 13.97 Passed ⁶	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 12.23 Passed ⁶
Hex(FFFFFF)	Ratio: 13.97 Passed ⁶		Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(7D4B5A)	Ratio: 2.01 Failed ⁵	Ratio: 6.94 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴
Hex(976472)	Ratio: 2.91 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.20 AA 18pt ²
Hex(B37D8B)	Ratio: 4.14 AA 18pt ²	Ratio: 3.37 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(CE97A6)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.44 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(EBB2C1)	Ratio: 7.76 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(FFCEDD)	Ratio: 10.06 Passed ⁶	Ratio: 1.39 Failed ⁵	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFEAF9)	Ratio: 12.23 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.20 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.58 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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