

Converting Colors - WCAG Matrix

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

	Hex(3F001E)	Hex(FFE9FF)	Hex(723149)	Hex(8D4961)	Hex(A8627A)	Hex(C47B93)	Hex(E196AE)	Hex(FEB1C9)	Hex(FFCDE5)
Hex(3F001E)		Ratio: 14.92 Passed ⁶	Ratio: 1.83 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(FFE9FF)	Ratio: 14.92 Passed ⁶		Ratio: 8.15 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(723149)	Ratio: 1.83 Failed ⁵	Ratio: 8.15 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(8D4961)	Ratio: 2.65 Failed ⁵	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(A8627A)	Ratio: 3.82 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(C47B93)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 2.78 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(E196AE)	Ratio: 7.46 Passed ⁶	Ratio: 2.00 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(FEB1C9)	Ratio: 10.04 Passed ⁶	Ratio: 1.49 Failed ⁵	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFCDE5)	Ratio: 12.29 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.65 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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