

Converting Colors - WCAG Matrix

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

	Hex(491C46)	Hex(FFFFFF)	Hex(7C4B77)	Hex(966390)	Hex(B17DAB)	Hex(CD97C6)	Hex(E9B2E2)	Hex(FFCEFF)	Hex(FFEAFF)
Hex(491C46)		Ratio: 13.66 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.10 Passed ⁶	Ratio: 12.01 Passed ⁶
Hex(FFFFFF)	Ratio: 13.66 Passed ⁶		Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(7C4B77)	Ratio: 2.04 Failed ⁵	Ratio: 6.71 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(966390)	Ratio: 2.92 Failed ⁵	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.12 AA 18pt ²
Hex(B17DAB)	Ratio: 4.16 AA 18pt ²	Ratio: 3.29 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(CD97C6)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 2.38 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(E9B2E2)	Ratio: 7.76 Passed ⁶	Ratio: 1.76 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FFCEFF)	Ratio: 10.10 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFEAFF)	Ratio: 12.01 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 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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