

Converting Colors - WCAG Matrix

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

	Hex(4E1A31)	Hex(FFFFFF)	Hex(81495F)	Hex(9C6178)	Hex(B87B91)	Hex(D495AC)	Hex(F1B0C7)	Hex(FFCBE3)	Hex(FFE8FF)
Hex(4E1A31)		Ratio: 13.85 Passed ⁶	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 9.83 Passed ⁶	Ratio: 12.03 Passed ⁶
Hex(FFFFFF)	Ratio: 13.85 Passed ⁶		Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(81495F)	Ratio: 2.01 Failed ⁵	Ratio: 6.88 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 5.98 AA ¹ AAA 18pt ⁴
Hex(9C6178)	Ratio: 2.90 Failed ⁵	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.15 AA 18pt ²
Hex(B87B91)	Ratio: 4.14 AA 18pt ²	Ratio: 3.34 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(D495AC)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 2.42 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(F1B0C7)	Ratio: 7.77 Passed ⁶	Ratio: 1.78 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FFCBE3)	Ratio: 9.83 Passed ⁶	Ratio: 1.41 Failed ⁵	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE8FF)	Ratio: 12.03 Passed ⁶	Ratio: 1.15 Failed ⁵	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.55 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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