

Converting Colors - WCAG Matrix

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

	Hex(5A3E7C)	Hex(FFFFFF)	Hex(8E6EB1)	Hex(A988CD)	Hex(C4A2E9)	Hex(E1BEFF)	Hex(FED9FF)	Hex(FFF6FF)
Hex(5A3E7C)		Ratio: 8.70 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 8.23 Passed ⁶
Hex(FFFFFF)	Ratio: 8.70 Passed ⁶		Ratio: 4.19 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(8E6EB1)	Ratio: 2.08 Failed ⁵	Ratio: 4.19 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(A988CD)	Ratio: 2.94 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(C4A2E9)	Ratio: 4.01 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(E1BEFF)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 1.61 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(FED9FF)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF6FF)	Ratio: 8.23 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.20 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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