

Converting Colors - WCAG Matrix

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

	Hex(440653)	Hex(FFF6FF)	Hex(773A85)	Hex(9253A0)	Hex(AD6DBB)	Hex(C987D7)	Hex(E6A1F3)	Hex(FFBDFD)	Hex(FFD9FF)
Hex(440653)		Ratio: 14.23 Passed ⁶	Ratio: 1.95 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 11.90 Passed ⁶
Hex(FFF6FF)	Ratio: 14.23 Passed ⁶		Ratio: 7.29 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(773A85)	Ratio: 1.95 Failed ⁵	Ratio: 7.29 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(9253A0)	Ratio: 2.84 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.19 AA 18pt ²
Hex(AD6DBB)	Ratio: 4.07 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(C987D7)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 2.51 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(E6A1F3)	Ratio: 7.70 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FFBDFD)	Ratio: 10.01 Passed ⁶	Ratio: 1.42 Failed ⁵	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFD9FF)	Ratio: 11.90 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.10 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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