

Converting Colors - WCAG Matrix

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

	Hex(450145)	Hex(FFF1FF)	Hex(783676)	Hex(934F8F)	Hex(AE68AA)	Hex(CA82C5)	Hex(E79DE2)	Hex(FFB9FE)	Hex(FFD5FF)
Hex(450145)		Ratio: 14.35 Passed ⁶	Ratio: 1.93 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.14 Passed ⁶	Ratio: 12.07 Passed ⁶
Hex(FFF1FF)	Ratio: 14.35 Passed ⁶		Ratio: 7.45 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(783676)	Ratio: 1.93 Failed ⁵	Ratio: 7.45 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴
Hex(934F8F)	Ratio: 2.80 Failed ⁵	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.32 AA 18pt ²
Hex(AE68AA)	Ratio: 3.99 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(CA82C5)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 2.57 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(E79DE2)	Ratio: 7.68 Passed ⁶	Ratio: 1.87 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(FFB9FE)	Ratio: 10.14 Passed ⁶	Ratio: 1.42 Failed ⁵	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFD5FF)	Ratio: 12.07 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.57 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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