

Converting Colors - WCAG Matrix

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

	Hex(380C3D)	Hex(FFF3FF)	Hex(693B6D)	Hex(835386)	Hex(9D6BA1)	Hex(B985BC)	Hex(D59FD7)	Hex(F1BBF4)	Hex(FFD7FF)
Hex(380C3D)		Ratio: 15.15 Passed ⁶	Ratio: 1.90 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 12.74 Passed ⁶
Hex(FFF3FF)	Ratio: 15.15 Passed ⁶		Ratio: 7.98 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(693B6D)	Ratio: 1.90 Failed ⁵	Ratio: 7.98 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴
Hex(835386)	Ratio: 2.75 Failed ⁵	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(9D6BA1)	Ratio: 3.92 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.25 AA 18pt ²
Hex(B985BC)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 2.73 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(D59FD7)	Ratio: 7.58 Passed ⁶	Ratio: 2.00 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(F1BBF4)	Ratio: 10.21 Passed ⁶	Ratio: 1.48 Failed ⁵	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(FFD7FF)	Ratio: 12.74 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.25 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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