

Converting Colors - WCAG Matrix

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

	Hex(4F0040)	Hex(FF4FF)	Hex(833870)	Hex(9E518A)	Hex(BA6BA4)	Hex(D685BF)	Hex(F4A0DB)	Hex(FFBBF7)	Hex(FFD8FF)
Hex(4F0040)		Ratio: 13.96 Passed ⁶	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.74 Passed ⁶	Ratio: 11.75 Passed ⁶
Hex(FF4FF)	Ratio: 13.96 Passed ⁶		Ratio: 7.10 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(833870)	Ratio: 1.97 Failed ⁵	Ratio: 7.10 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 5.97 AA ¹ AAA 18pt ⁴
Hex(9E518A)	Ratio: 2.84 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(BA6BA4)	Ratio: 4.07 AA 18pt ²	Ratio: 3.43 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(D685BF)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 2.46 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(F4A0DB)	Ratio: 7.75 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(FFBBF7)	Ratio: 9.74 Passed ⁶	Ratio: 1.43 Failed ⁵	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFD8FF)	Ratio: 11.75 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.21 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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