

Converting Colors - WCAG Matrix

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

	Hex(510057)	Hex(FF8FF)	Hex(853A89)	Hex(A154A4)	Hex(BD6EBF)	Hex(D988DB)	Hex(F6A3F8)	Hex(FFBFFF)	Hex(FFDBFF)
Hex(510057)		Ratio: 13.53 Passed ⁶	Ratio: 1.99 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 11.31 Passed ⁶
Hex(FF8FF)	Ratio: 13.53 Passed ⁶		Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(853A89)	Ratio: 1.99 Failed ⁵	Ratio: 6.79 AA ¹ AAA 18pt ⁴		Ratio: 1.46 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴
Hex(A154A4)	Ratio: 2.90 Failed ⁵	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.90 AA 18pt ²
Hex(BD6EBF)	Ratio: 4.13 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(D988DB)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.37 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(F6A3F8)	Ratio: 7.74 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(FFBFFF)	Ratio: 9.51 Passed ⁶	Ratio: 1.42 Failed ⁵	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFDBFF)	Ratio: 11.31 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.46 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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