

Converting Colors - WCAG Matrix

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

	Hex(851385)	Hex(FFFFFF)	Hex(BD51BB)	Hex(DA6CD7)	Hex(F887F3)	Hex(FFA3FF)	Hex(FFC0FF)	Hex(FFDCFF)	Hex(FFFAFF)
Hex(851385)		Ratio: 8.64 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 8.39 Passed ⁶
Hex(FFFFFF)	Ratio: 8.64 Passed ⁶		Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(BD51BB)	Ratio: 2.08 Failed ⁵	Ratio: 4.15 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(DA6CD7)	Ratio: 2.93 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(F887F3)	Ratio: 4.01 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(FFA3FF)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.76 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFC0FF)	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 1.48 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFDCFF)	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 1.24 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFAFF)	Ratio: 8.39 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 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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