

Converting Colors - WCAG Matrix

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

	Hex(4D2786)	Hex(FFFFFF)	Hex(8357BC)	Hex(9E70D8)	Hex(BB8AF5)	Hex(D7A5FF)	Hex(F4C1FF)	Hex(FFDDFF)	Hex(FFF9FF)
Hex(4D2786)		Ratio: 10.77 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 10.38 Passed ⁶
Hex(FFFFFF)	Ratio: 10.77 Passed ⁶		Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(8357BC)	Ratio: 2.08 Failed ⁵	Ratio: 5.18 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(9E70D8)	Ratio: 2.96 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(BB8AF5)	Ratio: 4.14 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(D7A5FF)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 1.96 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(F4C1FF)	Ratio: 7.14 Passed ⁶	Ratio: 1.51 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFDDFF)	Ratio: 8.74 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFF9FF)	Ratio: 10.38 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.45 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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