

Converting Colors - WCAG Matrix

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

	Hex(47178F)	Hex(FFFFFF)	Hex(7F4AC6)	Hex(9C63E2)	Hex(B87DFF)	Hex(D598FF)	Hex(F3B3FF)	Hex(FFCFFF)	Hex(FFECFF)
Hex(47178F)		Ratio: 11.75 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 10.46 Passed ⁶
Hex(FFFFFF)	Ratio: 11.75 Passed ⁶		Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(7F4AC6)	Ratio: 2.07 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.22 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴
Hex(9C63E2)	Ratio: 2.96 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.53 AA 18pt ²
Hex(B87DFF)	Ratio: 4.15 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(D598FF)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 2.15 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(F3B3FF)	Ratio: 7.11 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFCFFF)	Ratio: 8.74 Passed ⁶	Ratio: 1.34 Failed ⁵	Ratio: 4.22 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFECFF)	Ratio: 10.46 Passed ⁶	Ratio: 1.12 Failed ⁵	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.47 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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