

Converting Colors - WCAG Matrix

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

	Hex(220880)	Hex(FFF5FF)	Hex(603BB6)	Hex(7C53D2)	Hex(996CEF)	Hex(B686FF)	Hex(D3A1FF)	Hex(F1BDFD)	Hex(FFD9FF)
Hex(220880)		Ratio: 13.97 Passed ⁶	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.29 Passed ⁶	Ratio: 9.52 Passed ⁶	Ratio: 11.75 Passed ⁶
Hex(FFF5FF)	Ratio: 13.97 Passed ⁶		Ratio: 7.06 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(603BB6)	Ratio: 1.98 Failed ⁵	Ratio: 7.06 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴
Hex(7C53D2)	Ratio: 2.85 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(996CEF)	Ratio: 4.06 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(B686FF)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 2.52 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(D3A1FF)	Ratio: 7.29 Passed ⁶	Ratio: 1.92 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(F1BDFD)	Ratio: 9.52 Passed ⁶	Ratio: 1.47 Failed ⁵	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFD9FF)	Ratio: 11.75 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 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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