

Converting Colors - WCAG Matrix

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

	Hex(5F00AD)	Hex(FFFFFF)	Hex(9945E6)	Hex(B760FF)	Hex(D47CFF)	Hex(F297FF)	Hex(FFB3FF)	Hex(FFD0FF)	Hex(FFEDFF)
Hex(5F00AD)		Ratio: 10.05 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.00 Passed ⁶
Hex(FFFFFF)	Ratio: 10.05 Passed ⁶		Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(9945E6)	Ratio: 2.08 Failed ⁵	Ratio: 4.83 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.61 AA 18pt ²	Ratio: 4.33 AA 18pt ²
Hex(B760FF)	Ratio: 2.93 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(D47CFF)	Ratio: 3.89 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(F297FF)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(FFB3FF)	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 1.60 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFD0FF)	Ratio: 7.52 Passed ⁶	Ratio: 1.34 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFEDFF)	Ratio: 9.00 Passed ⁶	Ratio: 1.12 Failed ⁵	Ratio: 4.33 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.77 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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