

Converting Colors - WCAG Matrix

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

	Hex(30027A)	Hex(FFF4FF)	Hex(6938B0)	Hex(8551CC)	Hex(A16AE8)	Hex(BE84FF)	Hex(DB9FFF)	Hex(F8BBFF)	Hex(FFD7FF)
Hex(30027A)		Ratio: 13.87 Passed ⁶	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 11.60 Passed ⁶
Hex(FFF4FF)	Ratio: 13.87 Passed ⁶		Ratio: 7.03 Passed ⁶	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(6938B0)	Ratio: 1.97 Failed ⁵	Ratio: 7.03 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.88 AA ¹ AAA 18pt ⁴
Hex(8551CC)	Ratio: 2.86 Failed ⁵	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.06 AA 18pt ²
Hex(A16AE8)	Ratio: 4.06 AA 18pt ²	Ratio: 3.42 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(BE84FF)	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 2.47 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(DB9FFF)	Ratio: 7.36 Passed ⁶	Ratio: 1.89 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(F8BBFF)	Ratio: 9.57 Passed ⁶	Ratio: 1.45 Failed ⁵	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFD7FF)	Ratio: 11.60 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.21 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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