

Converting Colors - WCAG Matrix

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

	Hex(2F00F0)	Hex(FFFFFF)	Hex(8247FF)	Hex(A463FF)	Hex(C57EFF)	Hex(E59AFF)	Hex(FFB6FF)	Hex(FFD3FF)	Hex(FFF0FF)
Hex(2F00F0)		Ratio: 8.83 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 8.05 Passed ⁶
Hex(FFFFFF)	Ratio: 8.83 Passed ⁶		Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(8247FF)	Ratio: 1.80 Failed ⁵	Ratio: 4.89 AA ¹ AAA 18pt ⁴		Ratio: 1.35 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 4.46 AA 18pt ²
Hex(A463FF)	Ratio: 2.44 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 1.35 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(C57EFF)	Ratio: 3.28 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(E59AFF)	Ratio: 4.37 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFB6FF)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 1.57 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFD3FF)	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 1.31 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF0FF)	Ratio: 8.05 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 4.46 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.84 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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