

Converting Colors - WCAG Matrix

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

	Hex(8212CE)	Hex(A037EB)	Hex(BD54FF)	Hex(DB71FF)	Hex(FA8DFF)	Hex(FFA9FF)	Hex(FFC6FF)	Hex(FFE3FF)	Hex(FFFFFF)
Hex(8212CE)		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶
Hex(A037EB)	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(BD54FF)	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(DB71FF)	Ratio: 2.67 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(FA8DFF)	Ratio: 3.53 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(FFA9FF)	Ratio: 4.23 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(FFC6FF)	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(FFE3FF)	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFFFFF)	Ratio: 7.17 Passed ⁶	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 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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