

Converting Colors - WCAG Matrix

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

	Hex(6000E1)	Hex(FFFFFF)	Hex(A14BFF)	Hex(C067FF)	Hex(DF83FF)	Hex(FE9FFF)	Hex(FFBCFF)	Hex(FFD9FF)	Hex(FFF6FF)
Hex(6000E1)		Ratio: 8.13 Passed ⁶	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶
Hex(FFFFFF)	Ratio: 8.13 Passed ⁶		Ratio: 4.23 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(A14BFF)	Ratio: 1.92 Failed ⁵	Ratio: 4.23 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.00 AA 18pt ²
Hex(C067FF)	Ratio: 2.56 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(DF83FF)	Ratio: 3.42 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(FE9FFF)	Ratio: 4.49 AA 18pt ²	Ratio: 1.81 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFBCFF)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 1.51 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFD9FF)	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 1.26 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF6FF)	Ratio: 7.69 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.71 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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