

Converting Colors - WCAG Matrix

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

	Hex(7C00CD)	Hex(FFFFFF)	Hex(B84EFF)	Hex(D66AFF)	Hex(F486FF)	Hex(FFA3FF)	Hex(FFBFFF)	Hex(FFDDFF)	Hex(FFFAFF)
Hex(7C00CD)		Ratio: 7.67 Passed ⁶	Ratio: 2.03 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶
Hex(FFFFFF)	Ratio: 7.67 Passed ⁶		Ratio: 3.77 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(B84EFF)	Ratio: 2.03 Failed ⁵	Ratio: 3.77 AA 18pt ²		Ratio: 1.32 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.66 AA 18pt ²
Hex(D66AFF)	Ratio: 2.69 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(F486FF)	Ratio: 3.54 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(FFA3FF)	Ratio: 4.36 AA 18pt ²	Ratio: 1.76 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFBFFF)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 1.48 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFDDFF)	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 1.23 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFAFF)	Ratio: 7.44 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.44 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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