

Converting Colors - WCAG Matrix

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

	Hex(7E32A7)	Hex(FFFFFF)	Hex(B666DF)	Hex(D381FC)	Hex(F09CFF)	Hex(FFB8FF)	Hex(FFD4FF)	Hex(FFF1FF)
Hex(7E32A7)		Ratio: 7.24 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.24 Passed ⁶		Ratio: 3.53 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(B666DF)	Ratio: 2.05 Failed ⁵	Ratio: 3.53 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(D381FC)	Ratio: 2.87 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(F09CFF)	Ratio: 3.76 AA 18pt ²	Ratio: 1.93 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(FFB8FF)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 1.55 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(FFD4FF)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 1.30 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF1FF)	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.42 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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