

Converting Colors - WCAG Matrix

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

	Hex(990090)	Hex(FFFFFF)	Hex(D34FC6)	Hex(F16BE2)	Hex(FF88FF)	Hex(FFA4FF)	Hex(FFC1FF)	Hex(FFDEFF)	Hex(FFFCFF)
Hex(990090)		Ratio: 7.62 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶
Hex(FFFFFF)	Ratio: 7.62 Passed ⁶		Ratio: 3.68 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(D34FC6)	Ratio: 2.07 Failed ⁵	Ratio: 3.68 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(F16BE2)	Ratio: 2.88 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(FF88FF)	Ratio: 3.71 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(FFA4FF)	Ratio: 4.35 AA 18pt ²	Ratio: 1.75 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(FFC1FF)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 1.47 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFDEFF)	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFCFF)	Ratio: 7.48 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.72 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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