

Converting Colors - WCAG Matrix

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

Hex(AF80FF) Hex(9F66FF) Hex(EF80FF) Hex(777380) Hex(4700BF) Hex(180040)

	Hex(AF80FF)	Hex(9F66FF)	Hex(EF80FF)	Hex(777380)	Hex(4700BF)	Hex(180040)
Hex(AF80FF)		Ratio: 1.26 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 6.61 AA ¹ AAA 18pt ⁴
Hex(9F66FF)	Ratio: 1.26 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 5.23 AA ¹ AAA 18pt ⁴
Hex(EF80FF)	Ratio: 1.25 Failed ⁵	Ratio: 1.58 Failed ⁵		Ratio: 2.02 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 8.24 Passed ⁶
Hex(777380)	Ratio: 1.62 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 2.02 Failed ⁵		Ratio: 2.25 Failed ⁵	Ratio: 4.09 AA 18pt ²
Hex(4700BF)	Ratio: 3.64 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 2.25 Failed ⁵		Ratio: 1.82 Failed ⁵
Hex(180040)	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 8.24 Passed ⁶	Ratio: 4.09 AA 18pt ²	Ratio: 1.82 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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