

Converting Colors - WCAG Matrix

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

Hex(CE78FF) Hex(F0D6FF) Hex(78AAFF) Hex(776780) Hex(000000) Hex(808080)

	Hex(CE78FF)	Hex(F0D6FF)	Hex(78AAFF)	Hex(776780)	Hex(000000)	Hex(808080)
Hex(CE78FF)		Ratio: 2.03 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 7.75 Passed ⁶	Ratio: 1.46 Failed ⁵
Hex(F0D6FF)	Ratio: 2.03 Failed ⁵		Ratio: 1.75 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 15.77 Passed ⁶	Ratio: 2.97 Failed ⁵
Hex(78AAFF)	Ratio: 1.16 Failed ⁵	Ratio: 1.75 Failed ⁵		Ratio: 2.23 Failed ⁵	Ratio: 8.99 Passed ⁶	Ratio: 1.69 Failed ⁵
Hex(776780)	Ratio: 1.92 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 2.23 Failed ⁵		Ratio: 4.04 AA 18pt ²	Ratio: 1.32 Failed ⁵
Hex(000000)	Ratio: 7.75 Passed ⁶	Ratio: 15.77 Passed ⁶	Ratio: 8.99 Passed ⁶	Ratio: 4.04 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.46 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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