

Converting Colors - WCAG Matrix

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

Hex(CCF0FF) Hex(F0FBFF) Hex(CCFFDA) Hex(777D80) Hex(000000) Hex(808080)

	Hex(CCF0FF)	Hex(F0FBFF)	Hex(CCFFDA)	Hex(777D80)	Hex(000000)	Hex(808080)
Hex(CCF0FF)		Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 17.48 Passed ⁶	Ratio: 3.29 AA 18pt ²
Hex(F0FBFF)	Ratio: 1.14 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 19.95 Passed ⁶	Ratio: 3.75 AA 18pt ²
Hex(CCFFDA)	Ratio: 1.08 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 3.75 AA 18pt ²	Ratio: 18.88 Passed ⁶	Ratio: 3.55 AA 18pt ²
Hex(777D80)	Ratio: 3.47 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 3.75 AA 18pt ²		Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 17.48 Passed ⁶	Ratio: 19.95 Passed ⁶	Ratio: 18.88 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.29 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 1.06 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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