

Converting Colors - WCAG Matrix

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

Hex(CBD5FF) Hex(F0F2FF) Hex(CBFFF6) Hex(777880) Hex(000000) Hex(808080)

Hex(CBD5FF)		Ratio: 1.30 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 14.50 Passed ⁶	Ratio: 2.73 Failed ⁵
Hex(F0F2FF)	Ratio: 1.30 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 18.85 Passed ⁶	Ratio: 3.55 AA 18pt ²
Hex(CBFFF6)	Ratio: 1.32 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 4.01 AA 18pt ²	Ratio: 19.17 Passed ⁶	Ratio: 3.61 AA 18pt ²
Hex(777880)	Ratio: 3.03 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 4.01 AA 18pt ²		Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 14.50 Passed ⁶	Ratio: 18.85 Passed ⁶	Ratio: 19.17 Passed ⁶	Ratio: 4.78 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.73 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 3.61 AA 18pt ²	Ratio: 1.11 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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