

Converting Colors - WCAG Matrix

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

Hex(CADDFF) Hex(F0F5FF) Hex(CAFFEB) Hex(777A80) Hex(000000) Hex(808080)

	Hex(CADDFF)	Hex(F0F5FF)	Hex(CAFFEB)	Hex(777A80)	Hex(000000)	Hex(808080)
Hex(CADDFF)		Ratio: 1.26 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 15.30 Passed ⁶	Ratio: 2.88 Failed ⁵
Hex(F0F5FF)	Ratio: 1.26 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 19.21 Passed ⁶	Ratio: 3.61 AA 18pt ²
Hex(CAFFEB)	Ratio: 1.24 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 3.90 AA 18pt ²	Ratio: 19.02 Passed ⁶	Ratio: 3.58 AA 18pt ²
Hex(777A80)	Ratio: 3.13 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 3.90 AA 18pt ²		Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 15.30 Passed ⁶	Ratio: 19.21 Passed ⁶	Ratio: 19.02 Passed ⁶	Ratio: 4.88 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.88 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 1.09 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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