

Converting Colors - WCAG Matrix

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

Hex(CCFDC) Hex(F0FF4) Hex(F0FFC) Hex(778079) Hex(000000) Hex(808080)

Hex(CCFDC)		Ratio: 1.07 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 18.91 Passed ⁶	Ratio: 3.56 AA 18pt ²
Hex(F0FF4)	Ratio: 1.07 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.32 Passed ⁶	Ratio: 3.82 AA 18pt ²
Hex(F0FFC)	Ratio: 1.05 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 3.86 AA 18pt ²	Ratio: 19.88 Passed ⁶	Ratio: 3.74 AA 18pt ²
Hex(778079)	Ratio: 3.67 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.86 AA 18pt ²		Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 18.91 Passed ⁶	Ratio: 20.32 Passed ⁶	Ratio: 19.88 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.56 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 1.03 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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