

Converting Colors - WCAG Matrix

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

Hex(42C2FA) Hex(C7EDFF) Hex(42FA78) Hex(5E7580) Hex(000000) Hex(808080)

	Hex(42C2FA)	Hex(C7EDFF)	Hex(42FA78)	Hex(5E7580)	Hex(000000)	Hex(808080)
Hex(42C2FA)		Ratio: 1.64 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 10.33 Passed ⁶	Ratio: 1.94 Failed ⁵
Hex(C7EDFF)	Ratio: 1.64 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 16.99 Passed ⁶	Ratio: 3.19 AA 18pt ²
Hex(42FA78)	Ratio: 1.47 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 3.50 AA 18pt ²	Ratio: 15.18 Passed ⁶	Ratio: 2.85 Failed ⁵
Hex(5E7580)	Ratio: 2.38 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 3.50 AA 18pt ²		Ratio: 4.33 AA 18pt ²	Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 10.33 Passed ⁶	Ratio: 16.99 Passed ⁶	Ratio: 15.18 Passed ⁶	Ratio: 4.33 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.94 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.23 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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