

Converting Colors - WCAG Matrix

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

Hex(1CA1D1) Hex(BDEDFF) Hex(1CD14D) Hex(597580) Hex(000000) Hex(808080)

	Hex(1CA1D1)	Hex(BDEDFF)	Hex(1CD14D)	Hex(597580)	Hex(000000)	Hex(808080)
Hex(1CA1D1)		Ratio: 2.37 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 7.07 Passed ⁶	Ratio: 1.33 Failed ⁵
Hex(BDEDFF)	Ratio: 2.37 Failed ⁵		Ratio: 1.63 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 16.72 Passed ⁶	Ratio: 3.14 AA 18pt ²
Hex(1CD14D)	Ratio: 1.45 Failed ⁵	Ratio: 1.63 Failed ⁵		Ratio: 2.40 Failed ⁵	Ratio: 10.28 Passed ⁶	Ratio: 1.93 Failed ⁵
Hex(597580)	Ratio: 1.65 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 2.40 Failed ⁵		Ratio: 4.28 AA 18pt ²	Ratio: 1.24 Failed ⁵
Hex(000000)	Ratio: 7.07 Passed ⁶	Ratio: 16.72 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 4.28 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.33 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 1.93 Failed ⁵	Ratio: 1.24 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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