

Converting Colors - WCAG Matrix

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

Hex(00C9E2) Hex(B3F7FF) Hex(00E217) Hex(527A80) Hex(000000) Hex(808080)

	Hex(00C9E2)	Hex(B3F7FF)	Hex(00E217)	Hex(527A80)	Hex(000000)	Hex(808080)
Hex(00C9E2)		Ratio: 1.69 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 10.45 Passed ⁶	Ratio: 1.97 Failed ⁵
Hex(B3F7FF)	Ratio: 1.69 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 17.66 Passed ⁶	Ratio: 3.32 AA 18pt ²
Hex(00E217)	Ratio: 1.14 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 2.67 Failed ⁵		Ratio: 2.24 Failed ⁵
Hex(527A80)	Ratio: 2.35 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 2.67 Failed ⁵		Ratio: 4.45 AA 18pt ²	Ratio: 1.19 Failed ⁵
Hex(000000)	Ratio: 10.45 Passed ⁶	Ratio: 17.66 Passed ⁶		Ratio: 4.45 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.97 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.19 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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