

Converting Colors - WCAG Matrix

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

Hex(00A1EC) Hex(B3E7FF) Hex(00EC4B) Hex(527180) Hex(000000) Hex(808080)

	Hex(00A1EC)	Hex(B3E7FF)	Hex(00EC4B)	Hex(527180)	Hex(000000)	Hex(808080)
Hex(00A1EC)		Ratio: 2.16 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 7.31 Passed ⁶	Ratio: 1.37 Failed ⁵
Hex(B3E7FF)	Ratio: 2.16 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 15.79 Passed ⁶	Ratio: 2.97 Failed ⁵
Hex(00EC4B)	Ratio: 1.79 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 3.25 AA 18pt ²	Ratio: 13.10 Passed ⁶	Ratio: 2.46 Failed ⁵
Hex(527180)	Ratio: 1.81 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 3.25 AA 18pt ²		Ratio: 4.03 AA 18pt ²	Ratio: 1.32 Failed ⁵
Hex(000000)	Ratio: 7.31 Passed ⁶	Ratio: 15.79 Passed ⁶	Ratio: 13.10 Passed ⁶	Ratio: 4.03 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.37 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.32 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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