

Converting Colors - WCAG Matrix

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

Hex(33FFCC) Hex(C2FFF0) Hex(66FF33) Hex(5C8075) Hex(000000) Hex(808080)

	Hex(33FFCC)	Hex(C2FFF0)	Hex(66FF33)	Hex(5C8075)	Hex(000000)	Hex(808080)
Hex(33FFCC)		Ratio: 1.16 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 16.32 Passed ⁶	Ratio: 3.07 AA 18pt ²
Hex(C2FFF0)	Ratio: 1.16 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 18.86 Passed ⁶	Ratio: 3.55 AA 18pt ²
Hex(66FF33)	Ratio: 1.03 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 3.32 AA 18pt ²	Ratio: 15.92 Passed ⁶	Ratio: 2.99 Failed ⁵
Hex(5C8075)	Ratio: 3.40 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 3.32 AA 18pt ²		Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 16.32 Passed ⁶	Ratio: 18.86 Passed ⁶	Ratio: 15.92 Passed ⁶	Ratio: 4.80 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.07 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 1.11 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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