

Converting Colors - WCAG Matrix

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

Hex(3116C4) Hex(C5BAFF) Hex(16AAC4) Hex(5D5780) Hex(000000) Hex(808080)

	Hex(3116C4)	Hex(C5BAFF)	Hex(16AAC4)	Hex(5D5780)	Hex(000000)	Hex(808080)
Hex(3116C4)		Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 1.54 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(C5BAFF)	Ratio: 5.80 AA ¹ AAA 18pt ⁴		Ratio: 1.56 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 11.84 Passed ⁶	Ratio: 2.23 Failed ⁵
Hex(16AAC4)	Ratio: 3.71 AA 18pt ²	Ratio: 1.56 Failed ⁵		Ratio: 2.41 Failed ⁵	Ratio: 7.58 Passed ⁶	Ratio: 1.43 Failed ⁵
Hex(5D5780)	Ratio: 1.54 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 2.41 Failed ⁵		Ratio: 3.14 AA 18pt ²	Ratio: 1.69 Failed ⁵
Hex(000000)	Ratio: 2.04 Failed ⁵	Ratio: 11.84 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 3.14 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.60 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.69 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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