

Converting Colors - WCAG Matrix

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

Hex(18185A) Hex(5B5B75) Hex(185A5A) Hex(2B2B3B) Hex(BABABA) Hex(3B3B3B)

	Hex(18185A)	Hex(5B5B75)	Hex(185A5A)	Hex(2B2B3B)	Hex(BABABA)	Hex(3B3B3B)
Hex(18185A)		Ratio: 2.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 8.21 Passed ⁶	Ratio: 1.42 Failed ⁵
Hex(5B5B75)	Ratio: 2.43 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 1.71 Failed ⁵
Hex(185A5A)	Ratio: 2.01 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.75 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 1.41 Failed ⁵
Hex(2B2B3B)	Ratio: 1.15 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.75 Failed ⁵		Ratio: 7.16 Passed ⁶	Ratio: 1.24 Failed ⁵
Hex(BABABA)	Ratio: 8.21 Passed ⁶	Ratio: 3.38 AA 18pt ²	Ratio: 4.08 AA 18pt ²	Ratio: 7.16 Passed ⁶		Ratio: 5.77 AA ¹ AAA 18pt ⁴
Hex(3B3B3B)	Ratio: 1.42 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 5.77 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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