

Converting Colors - WCAG Matrix

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

Hex(331600) Hex(42372E) Hex(33001E) Hex(211A15) Hex(A1A1A1) Hex(212121)

	Hex(331600)	Hex(42372E)	Hex(33001E)	Hex(211A15)	Hex(A1A1A1)	Hex(212121)
Hex(331600)		Ratio: 1.45 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(42372E)	Ratio: 1.45 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 1.39 Failed ⁵
Hex(33001E)	Ratio: 1.08 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 7.01 Passed ⁶	Ratio: 1.12 Failed ⁵
Hex(211A15)	Ratio: 1.03 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(A1A1A1)	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 7.01 Passed ⁶	Ratio: 6.64 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.04 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 6.23 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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