

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(330215) Hex(422F37) Hex(1E0233) Hex(21161A) Hex(A1A1A1) Hex(212121)

	Hex(330215)	Hex(422F37)	Hex(1E0233)	Hex(21161A)	Hex(A1A1A1)	Hex(212121)
Hex(330215)		Ratio: 1.46 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 7.01 Passed ⁶	Ratio: 1.12 Failed ⁵
Hex(422F37)	Ratio: 1.46 Failed ⁵		Ratio: 1.52 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 1.30 Failed ⁵
Hex(1E0233)	Ratio: 1.04 Failed ⁵	Ratio: 1.52 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 7.31 Passed ⁶	Ratio: 1.17 Failed ⁵
Hex(21161A)	Ratio: 1.03 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(A1A1A1)	Ratio: 7.01 Passed ⁶	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.12 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.09 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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