

Converting Colors - WCAG Matrix

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

Hex(330033) Hex(422E42) Hex(000033) Hex(211521) Hex(A1A1A1) Hex(212121)

	Hex(330033)	Hex(422E42)	Hex(000033)	Hex(211521)	Hex(A1A1A1)	Hex(212121)
Hex(330033)		Ratio: 1.43 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(422E42)	Ratio: 1.43 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 1.30 Failed ⁵
Hex(000033)	Ratio: 1.13 Failed ⁵	Ratio: 1.62 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 7.76 Passed ⁶	Ratio: 1.24 Failed ⁵
Hex(211521)	Ratio: 1.00 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(A1A1A1)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.10 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.24 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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