

Converting Colors - WCAG Matrix

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

Hex(310008) Hex(402D30) Hex(290031) Hex(211517) Hex(A1A1A1) Hex(212121)

	Hex(310008)	Hex(402D30)	Hex(290031)	Hex(211517)	Hex(A1A1A1)	Hex(212121)
Hex(310008)		Ratio: 1.44 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 1.15 Failed ⁵
Hex(402D30)	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.25 Failed ⁵
Hex(290031)	Ratio: 1.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 7.14 Passed ⁶	Ratio: 1.15 Failed ⁵
Hex(211517)	Ratio: 1.04 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(A1A1A1)	Ratio: 7.17 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 6.86 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.15 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.10 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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