

Converting Colors - WCAG Matrix

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

Hex(333030) Hex(424141) Hex(333033) Hex(212020) Hex(A1A1A1) Hex(212121)

Hex(333030)		Ratio: 1.29 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 5.06 AA ¹ AAA 18pt ⁴
Hex(424141)	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 3.94 AA 18pt ² Failed ⁵
Hex(333033)	Ratio: 1.00 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 5.04 AA ¹ AAA 18pt ⁴
Hex(212020)	Ratio: 1.24 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 6.29 AA ¹ AAA 18pt ⁴
Hex(A1A1A1)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ² Failed ⁵	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.23 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.01 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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