

Converting Colors - WCAG Matrix

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

Hex(302C0D) Hex(403E32) Hex(300D12) Hex(212019) Hex(A1A1A1) Hex(212121)

	Hex(302C0D)	Hex(403E32)	Hex(300D12)	Hex(212019)	Hex(A1A1A1)	Hex(212121)
Hex(302C0D)		Ratio: 1.31 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(403E32)	Ratio: 1.31 Failed ⁵		Ratio: 1.64 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 1.50 Failed ⁵
Hex(300D12)	Ratio: 1.25 Failed ⁵	Ratio: 1.64 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(212019)	Ratio: 1.16 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(A1A1A1)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 6.32 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.14 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.09 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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