

Converting Colors - WCAG Matrix

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

Hex(320A0C) Hex(403031) Hex(300A32) Hex(211818) Hex(A1A1A1) Hex(212121)

	Hex(320A0C)	Hex(403031)	Hex(300A32)	Hex(211818)	Hex(A1A1A1)	Hex(212121)
Hex(320A0C)		Ratio: 1.42 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(403031)	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵
Hex(300A32)	Ratio: 1.03 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(211818)	Ratio: 1.02 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(A1A1A1)	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.10 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.08 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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