

Converting Colors - WCAG Matrix

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

Hex(341221) Hex(42353B) Hex(251234) Hex(21191D) Hex(A1A1A1) Hex(212121)

	Hex(341221)	Hex(42353B)	Hex(251234)	Hex(21191D)	Hex(A1A1A1)	Hex(212121)
Hex(341221)		Ratio: 1.44 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(42353B)	Ratio: 1.44 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 1.38 Failed ⁵
Hex(251234)	Ratio: 1.03 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(21191D)	Ratio: 1.03 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(A1A1A1)	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 6.65 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.04 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.07 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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