

Converting Colors - WCAG Matrix

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

Hex(33332F) Hex(424241) Hex(332F2F) Hex(212120) Hex(A1A1A1) Hex(212121)

	Hex(33332F)	Hex(424241)	Hex(332F2F)	Hex(212120)	Hex(A1A1A1)	Hex(212121)
Hex(33332F)		Ratio: 1.26 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵
Hex(424241)	Ratio: 1.26 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(332F2F)	Ratio: 1.04 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵
Hex(212120)	Ratio: 1.27 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵
Hex(A1A1A1)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.24 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.27 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.00 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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