

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(332F29) Hex(42413E) Hex(33292D) Hex(21201F) Hex(A1A1A1) Hex(212121)

	Hex(332F29)	Hex(42413E)	Hex(33292D)	Hex(21201F)	Hex(A1A1A1)	Hex(212121)
Hex(332F29)		Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.21 Failed ⁵
Hex(42413E)	Ratio: 1.30 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(33292D)	Ratio: 1.06 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(21201F)	Ratio: 1.22 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 6.30 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(A1A1A1)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 6.30 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.21 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.15 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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