

Converting Colors - WCAG Matrix

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

Hex(313342) Hex(505157) Hex(314240) Hex(27282B) Hex(ABABAB) Hex(2B2B2B)

	Hex(313342)	Hex(505157)	Hex(314240)	Hex(27282B)	Hex(ABABAB)	Hex(2B2B2B)
Hex(313342)		Ratio: 1.58 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵
Hex(505157)	Ratio: 1.58 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 1.79 Failed ⁵
Hex(314240)	Ratio: 1.18 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 1.34 Failed ⁵
Hex(27282B)	Ratio: 1.18 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(ABABAB)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.42 AA ¹ AAA 18pt ⁴		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.13 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 6.17 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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