

Converting Colors - WCAG Matrix

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

Hex(171944) Hex(454657) Hex(174442) Hex(21212B) Hex(ABABAB) Hex(2B2B2B)

	Hex(171944)	Hex(454657)	Hex(174442)	Hex(21212B)	Hex(ABABAB)	Hex(2B2B2B)
Hex(171944)		Ratio: 1.80 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 7.26 Passed ⁶	Ratio: 1.18 Failed ⁵
Hex(454657)	Ratio: 1.80 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 1.53 Failed ⁵
Hex(174442)	Ratio: 1.54 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 1.31 Failed ⁵
Hex(21212B)	Ratio: 1.05 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵
Hex(ABABAB)	Ratio: 7.26 Passed ⁶	Ratio: 4.03 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.18 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 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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