

Converting Colors - WCAG Matrix

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

Hex(838383) Hex(ABABAB) Hex(424242) Hex(820000) Hex(030000)

Hex(838383)		Ratio: 1.65 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(ABABAB)	Ratio: 1.65 Failed ⁵		Ratio: 4.38 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴
Hex(424242)	Ratio: 2.65 Failed ⁵	Ratio: 4.38 AA 18pt ²		Ratio: 1.07 Failed ⁵
Hex(820000)	Ratio: 2.84 Failed ⁵	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵	
Hex(030000)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 9.11 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 1.94 Failed ⁵

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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