

Converting Colors - WCAG Matrix

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

Hex(4A4A4A) Hex(FFFFFF) Hex(7B7B7B) Hex(949494) Hex(AFAFAF) Hex(CACACA) Hex(E7E7E7)

	Hex(4A4A4A)	Hex(FFFFFF)	Hex(7B7B7B)	Hex(949494)	Hex(AFAFAF)	Hex(CACACA)	Hex(E7E7E7)
Hex(4A4A4A)		Ratio: 8.86 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶
Hex(FFFFFF)	Ratio: 8.86 Passed ⁶		Ratio: 4.23 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(7B7B7B)	Ratio: 2.09 Failed ⁵	Ratio: 4.23 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(949494)	Ratio: 2.92 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(AFAFAF)	Ratio: 4.04 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(CACACA)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.64 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(E7E7E7)	Ratio: 7.17 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.33 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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