

Converting Colors - WCAG Matrix

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

Hex(4A494A) Hex(FFFFFF) Hex(7A7A7B) Hex(949394) Hex(AFAEAF) Hex(CAC9CA) Hex(E6E6E6)

	Hex(4A494A)	Hex(FFFFFF)	Hex(7A7A7B)	Hex(949394)	Hex(AFAEAF)	Hex(CAC9CA)	Hex(E6E6E6)
Hex(4A494A)		Ratio: 8.96 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶
Hex(FFFFFF)	Ratio: 8.96 Passed ⁶		Ratio: 4.29 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(7A7A7B)	Ratio: 2.09 Failed ⁵	Ratio: 4.29 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(949394)	Ratio: 2.93 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(AFAEAF)	Ratio: 4.05 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(CAC9CA)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 1.65 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E6E6E6)	Ratio: 7.18 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 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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