

Converting Colors - WCAG Matrix

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

Hex(4A4748) Hex(FFFFFF) Hex(7B7778) Hex(949192) Hex(AFABAD) Hex(CAC7C8) Hex(E6E3E4)

	Hex(4A4748)	Hex(FFFFFF)	Hex(7B7778)	Hex(949192)	Hex(AFABAD)	Hex(CAC7C8)	Hex(E6E3E4)
Hex(4A4748)		Ratio: 9.19 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶
Hex(FFFFFF)	Ratio: 9.19 Passed ⁶		Ratio: 4.42 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(7B7778)	Ratio: 2.08 Failed ⁵	Ratio: 4.42 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.47 AA 18pt ²
Hex(949192)	Ratio: 2.94 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(AFABAD)	Ratio: 4.05 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(CAC7C8)	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 1.68 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E6E3E4)	Ratio: 7.21 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.78 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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