

Converting Colors - WCAG Matrix

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

Hex(4C7874) **Hex(8A9C9A)** **Hex(50784C)** **Hex(454F4E)** **Hex(CFCFCF)** **Hex(4F4F4F)**

Hex(4C7874)		Ratio: 1.72 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(8A9C9A)	Ratio: 1.72 Failed ⁵		Ratio: 1.77 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(50784C)	Ratio: 1.03 Failed ⁵	Ratio: 1.77 Failed ⁵		Ratio: 1.67 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(454F4E)	Ratio: 1.71 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 1.67 Failed ⁵		Ratio: 5.43 AA ¹ AAA 18pt ⁴
Hex(CFCFCF)	Ratio: 3.17 AA 18pt ²	Ratio: 1.85 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(4F4F4F)	Ratio: 1.66 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 5.26 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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