

Converting Colors - WCAG Matrix

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

Hex(4F4A6E) Hex(82818F) Hex(4A696E) Hex(403F47) Hex(C7C7C7) Hex(474747)

	Hex(4F4A6E)	Hex(82818F)	Hex(4A696E)	Hex(403F47)	Hex(C7C7C7)	Hex(474747)
Hex(4F4A6E)		Ratio: 2.16 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(82818F)	Ratio: 2.16 Failed ⁵		Ratio: 1.55 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(4A696E)	Ratio: 1.39 Failed ⁵	Ratio: 1.55 Failed ⁵		Ratio: 1.75 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 1.56 Failed ⁵
Hex(403F47)	Ratio: 1.26 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.75 Failed ⁵		Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(C7C7C7)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 2.26 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 6.15 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(474747)	Ratio: 1.12 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 5.50 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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