

Converting Colors - WCAG Matrix

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

Hex(6E4146) Hex(8F7E80) Hex(69416E) Hex(473D3F) Hex(C7C7C7) Hex(474747)

	Hex(6E4146)	Hex(8F7E80)	Hex(69416E)	Hex(473D3F)	Hex(C7C7C7)	Hex(474747)
Hex(6E4146)		Ratio: 2.18 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(8F7E80)	Ratio: 2.18 Failed ⁵		Ratio: 2.12 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(69416E)	Ratio: 1.03 Failed ⁵	Ratio: 2.12 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(473D3F)	Ratio: 1.25 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵
Hex(C7C7C7)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 2.27 Failed ⁵	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 6.19 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(474747)	Ratio: 1.11 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.13 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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