

Converting Colors - WCAG Matrix

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

Hex(66636E) Hex(8B8B8F) Hex(636C6E) Hex(454547) Hex(C7C7C7) Hex(474747)

	Hex(66636E)	Hex(8B8B8F)	Hex(636C6E)	Hex(454547)	Hex(C7C7C7)	Hex(474747)
Hex(66636E)		Ratio: 1.73 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(8B8B8F)	Ratio: 1.73 Failed ⁵		Ratio: 1.59 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(636C6E)	Ratio: 1.09 Failed ⁵	Ratio: 1.59 Failed ⁵		Ratio: 1.78 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 1.73 Failed ⁵
Hex(454547)	Ratio: 1.63 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.78 Failed ⁵		Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(C7C7C7)	Ratio: 3.47 AA 18pt ²	Ratio: 2.01 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(474747)	Ratio: 1.58 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.03 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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