

Converting Colors - WCAG Matrix

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

Hex(4A5177) Hex(8A8D9C) Hex(4A776F) Hex(45464F) Hex(CFCFCF) Hex(4F4F4F)

	Hex(4A5177)	Hex(8A8D9C)	Hex(4A776F)	Hex(45464F)	Hex(CFCFCF)	Hex(4F4F4F)
Hex(4A5177)		Ratio: 2.33 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(8A8D9C)	Ratio: 2.33 Failed ⁵		Ratio: 1.53 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(4A776F)	Ratio: 1.52 Failed ⁵	Ratio: 1.53 Failed ⁵		Ratio: 1.86 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 1.62 Failed ⁵
Hex(45464F)	Ratio: 1.22 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.86 Failed ⁵		Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(CFCFCF)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 6.01 AA ¹ AAA 18pt ⁴		Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(4F4F4F)	Ratio: 1.07 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.14 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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