

Converting Colors - WCAG Matrix

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

Hex(222977) Hex(7B7E9C) Hex(227770) Hex(3B3D4F) Hex(CFCFCF) Hex(4F4F4F)

	Hex(222977)	Hex(7B7E9C)	Hex(227770)	Hex(3B3D4F)	Hex(CFCFCF)	Hex(4F4F4F)
Hex(222977)		Ratio: 3.21 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 8.16 Passed ⁶	Ratio: 1.55 Failed ⁵
Hex(7B7E9C)	Ratio: 3.21 AA 18pt ²		Ratio: 1.35 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(227770)	Ratio: 2.39 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 2.00 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 1.54 Failed ⁵
Hex(3B3D4F)	Ratio: 1.19 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.00 Failed ⁵		Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 1.30 Failed ⁵
Hex(CFCFCF)	Ratio: 8.16 Passed ⁶	Ratio: 2.54 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 6.85 AA ¹ AAA 18pt ⁴		Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(4F4F4F)	Ratio: 1.55 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.30 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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