

Converting Colors - WCAG Matrix

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

Hex(5F7585) Hex(7295AD) Hex(5F6285) Hex(3C3F42) Hex(004C82) Hex(000203)

	Hex(5F7585)	Hex(7295AD)	Hex(5F6285)	Hex(3C3F42)	Hex(004C82)	Hex(000203)
Hex(5F7585)		Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 4.33 AA 18pt ²
Hex(7295AD)	Ratio: 1.51 Failed ⁵		Ratio: 1.85 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 6.55 AA ¹ AAA 18pt ⁴
Hex(5F6285)	Ratio: 1.22 Failed ⁵	Ratio: 1.85 Failed ⁵		Ratio: 1.80 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 3.54 AA 18pt ²
Hex(3C3F42)	Ratio: 2.20 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 1.80 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(004C82)	Ratio: 1.85 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 2.33 Failed ⁵
Hex(000203)	Ratio: 4.33 AA 18pt ²	Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 1.96 Failed ⁵	Ratio: 2.33 Failed ⁵	

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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