

Converting Colors - WCAG Matrix

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

Hex(516C7E) Hex(5B87A3) Hex(51567E) Hex(393D40) Hex(004E80) Hex(000000)

	Hex(516C7E)	Hex(5B87A3)	Hex(51567E)	Hex(393D40)	Hex(004E80)	Hex(000000)
Hex(516C7E)		Ratio: 1.43 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 3.80 AA 18pt ²
Hex(5B87A3)	Ratio: 1.43 Failed ⁵		Ratio: 1.82 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 5.44 AA ¹ AAA 18pt ⁴
Hex(51567E)	Ratio: 1.27 Failed ⁵	Ratio: 1.82 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(393D40)	Ratio: 1.98 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.56 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(004E80)	Ratio: 1.58 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 2.40 Failed ⁵
Hex(000000)	Ratio: 3.80 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 2.98 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.40 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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