

Converting Colors - WCAG Matrix

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

Hex(7C879B) Hex(99AAC9) Hex(807C9B) Hex(45484D) Hex(00328C) Hex(00050D)

	Hex(7C879B)	Hex(99AAC9)	Hex(807C9B)	Hex(45484D)	Hex(00328C)	Hex(00050D)
Hex(7C879B)		Ratio: 1.54 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(99AAC9)	Ratio: 1.54 Failed ⁵		Ratio: 1.70 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 8.71 Passed ⁶
Hex(807C9B)	Ratio: 1.10 Failed ⁵	Ratio: 1.70 Failed ⁵		Ratio: 2.31 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 5.13 AA ¹ AAA 18pt ⁴
Hex(45484D)	Ratio: 2.53 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 2.31 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(00328C)	Ratio: 3.16 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 2.87 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.79 Failed ⁵
Hex(00050D)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 8.71 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 2.23 Failed ⁵	Ratio: 1.79 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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