

Converting Colors - WCAG Matrix

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

Hex(798A8A) Hex(9AB3B3) Hex(79818A) Hex(3E4545) Hex(008585) Hex(000505)

	Hex(798A8A)	Hex(9AB3B3)	Hex(79818A)	Hex(3E4545)	Hex(008585)	Hex(000505)
Hex(798A8A)		Ratio: 1.63 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴
Hex(9AB3B3)	Ratio: 1.63 Failed ⁵		Ratio: 1.78 Failed ⁵	Ratio: 4.42 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 9.25 Passed ⁶
Hex(79818A)	Ratio: 1.09 Failed ⁵	Ratio: 1.78 Failed ⁵		Ratio: 2.48 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 5.20 AA ¹ AAA 18pt ⁴
Hex(3E4545)	Ratio: 2.71 Failed ⁵	Ratio: 4.42 AA 18pt ²	Ratio: 2.48 Failed ⁵		Ratio: 2.19 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(008585)	Ratio: 1.24 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 2.19 Failed ⁵		Ratio: 4.58 AA ¹ AAA 18pt ⁴
Hex(000505)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 9.25 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 2.09 Failed ⁵	Ratio: 4.58 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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