

Converting Colors - WCAG Matrix

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

Hex(4A858A) Hex(4FABB3) Hex(4A668A) Hex(3E4445) Hex(007A85) Hex(000505)

Hex(4A858A)		Ratio: 1.56 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 4.90 AA ¹ AAA 18pt ⁴
Hex(4FABB3)	Ratio: 1.56 Failed ⁵		Ratio: 2.19 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 1.89 Failed ⁵	Ratio: 7.63 Passed ⁶
Hex(4A668A)	Ratio: 1.41 Failed ⁵	Ratio: 2.19 Failed ⁵		Ratio: 1.68 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(3E4445)	Ratio: 2.37 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 1.68 Failed ⁵		Ratio: 1.95 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(007A85)	Ratio: 1.22 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.95 Failed ⁵		Ratio: 4.03 AA 18pt ²
Hex(000505)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 3.48 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 4.03 AA 18pt ²	

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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