

Converting Colors - WCAG Matrix

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

Hex(45868A) Hex(47ADB3) Hex(45648A) Hex(3E4545) Hex(007E85) Hex(000505)

Hex(45868A)		Ratio: 1.57 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(47ADB3)	Ratio: 1.57 Failed ⁵		Ratio: 2.29 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 1.83 Failed ⁵
Hex(45648A)	Ratio: 1.46 Failed ⁵	Ratio: 2.29 Failed ⁵		Ratio: 1.61 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(3E4545)	Ratio: 2.35 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 1.61 Failed ⁵		Ratio: 2.02 Failed ⁵
Hex(007E85)	Ratio: 1.16 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 2.02 Failed ⁵	
Hex(000505)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 3.36 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 4.22 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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