

Converting Colors - WCAG Matrix

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

Hex(00828D) Hex(006974) Hex(00505B) Hex(003944) Hex(00232D) Hex(FFFFFF)

	Hex(00828D)	Hex(006974)	Hex(00505B)	Hex(003944)	Hex(00232D)	Hex(FFFFFF)
Hex(00828D)		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(006974)	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 6.42 AA ¹ AAA 18pt ⁴
Hex(00505B)	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 9.14 Passed ⁶
Hex(003944)	Ratio: 2.74 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 12.58 Passed ⁶
Hex(00232D)	Ratio: 3.58 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 16.43 Passed ⁶
Hex(FFFFFF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 9.14 Passed ⁶	Ratio: 12.58 Passed ⁶	Ratio: 16.43 Passed ⁶	

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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