

Converting Colors - WCAG Matrix

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

Hex(003B40) Hex(004E54) Hex(001C40) Hex(1E2121) Hex(005961) Hex(00CFE0)

	Hex(003B40)	Hex(004E54)	Hex(001C40)	Hex(1E2121)	Hex(005961)	Hex(00CFE0)
Hex(003B40)		Ratio: 1.30 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 6.47 AA ¹ AAA 18pt ⁴
Hex(004E54)	Ratio: 1.30 Failed ⁵		Ratio: 1.79 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 4.96 AA ¹ AAA 18pt ⁴
Hex(001C40)	Ratio: 1.37 Failed ⁵	Ratio: 1.79 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 8.87 Passed ⁶
Hex(1E2121)	Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 2.01 Failed ⁵	Ratio: 8.50 Passed ⁶
Hex(005961)	Ratio: 1.53 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.01 Failed ⁵		Ratio: 4.23 AA 18pt ²
Hex(00CFE0)	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 8.87 Passed ⁶	Ratio: 8.50 Passed ⁶	Ratio: 4.23 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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