

Converting Colors - WCAG Matrix

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

Hex(17454A) Hex(105A61) Hex(172C4A) Hex(202324) Hex(005B63) Hex(00CFE3)

	Hex(17454A)	Hex(105A61)	Hex(172C4A)	Hex(202324)	Hex(005B63)	Hex(00CFE3)
Hex(17454A)		Ratio: 1.34 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 5.55 AA ¹ AAA 18pt ⁴
Hex(105A61)	Ratio: 1.34 Failed ⁵		Ratio: 1.78 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 4.15 AA 18pt ²
Hex(172C4A)	Ratio: 1.33 Failed ⁵	Ratio: 1.78 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 7.38 Passed ⁶
Hex(202324)	Ratio: 1.50 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 2.02 Failed ⁵	Ratio: 8.31 Passed ⁶
Hex(005B63)	Ratio: 1.35 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.02 Failed ⁵		Ratio: 4.12 AA 18pt ²
Hex(00CFE3)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 7.38 Passed ⁶	Ratio: 8.31 Passed ⁶	Ratio: 4.12 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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