

Converting Colors - WCAG Matrix

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

	Hex(003241)	Hex(00FFFF)	Hex(006271)	Hex(007C8A)	Hex(0097A4)	Hex(00B3BF)	Hex(00CFDB)	Hex(00ECF8)
Hex(003241)		Ratio: 10.93 Passed ⁶	Ratio: 1.95 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 9.37 Passed ⁶
Hex(00FFFF)	Ratio: 10.93 Passed ⁶		Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(006271)	Ratio: 1.95 Failed ⁵	Ratio: 5.61 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴
Hex(007C8A)	Ratio: 2.77 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(0097A4)	Ratio: 3.89 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(00B3BF)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(00CFDB)	Ratio: 7.14 Passed ⁶	Ratio: 1.53 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(00ECF8)	Ratio: 9.37 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵	

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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