

Converting Colors - WCAG Matrix

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

	Hex(00C9F0)	Hex(00ADD4)	Hex(0094B8)	Hex(00789E)	Hex(006182)	Hex(004769)	Hex(003052)	Hex(001C38)	Hex(000324)	Hex(00000A)
Hex(00C9F0)		Ratio: 1.34 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 8.68 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 10.57 Passed ⁶
Hex(00ADD4)	Ratio: 1.34 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 7.89 Passed ⁶
Hex(0094B8)	Ratio: 1.79 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(00789E)	Ratio: 2.54 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.16 AA 18pt ²
Hex(006182)	Ratio: 3.50 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(004769)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(003052)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(001C38)	Ratio: 8.68 Passed ⁶	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(000324)	Ratio: 10.22 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(00000A)	Ratio: 10.57 Passed ⁶	Ratio: 7.89 Passed ⁶	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.03 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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