

Converting Colors - WCAG Matrix

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

	Hex(3CC4C8)	Hex(00A8AD)	Hex(008D92)	Hex(007378)	Hex(005A60)	Hex(004248)	Hex(002B32)	Hex(00121D)	Hex(000000)
Hex(3CC4C8)		Ratio: 1.38 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 8.99 Passed ⁶	Ratio: 9.92 Passed ⁶
Hex(00A8AD)	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶
Hex(008D92)	Ratio: 1.90 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.22 AA ¹ AAA 18pt ⁴
Hex(007378)	Ratio: 2.66 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(005A60)	Ratio: 3.77 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(004248)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(002B32)	Ratio: 7.13 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(00121D)	Ratio: 8.99 Passed ⁶	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 9.92 Passed ⁶	Ratio: 7.20 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.10 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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