

Converting Colors - WCAG Matrix

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

	Hex(1CFFFF)	Hex(00E2E2)	Hex(00C5C6)	Hex(00AAAB)	Hex(008E91)	Hex(007477)	Hex(005A5E)	Hex(004247)	Hex(002C30)	Hex(000A1C)
Hex(1CFFFF)		Ratio: 1.29 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 8.98 Passed ⁶	Ratio: 11.97 Passed ⁶	Ratio: 15.84 Passed ⁶
Hex(00E2E2)	Ratio: 1.29 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 9.25 Passed ⁶	Ratio: 12.24 Passed ⁶
Hex(00C5C6)	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 9.25 Passed ⁶
Hex(00AAAB)	Ratio: 2.29 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(008E91)	Ratio: 3.18 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(007477)	Ratio: 4.46 AA 18pt ²	Ratio: 3.45 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(005A5E)	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(004247)	Ratio: 8.98 Passed ⁶	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(002C30)	Ratio: 11.97 Passed ⁶	Ratio: 9.25 Passed ⁶	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(000A1C)	Ratio: 15.84 Passed ⁶	Ratio: 12.24 Passed ⁶	Ratio: 9.25 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 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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