

Converting Colors - WCAG Matrix

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

	Hex(17CBA3)	Hex(00AF89)	Hex(00946F)	Hex(007957)	Hex(005F40)	Hex(00462A)	Hex(002F15)	Hex(001300)	Hex(000000)
Hex(17CBA3)		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 9.25 Passed ⁶	Ratio: 10.11 Passed ⁶
Hex(00AF89)	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶
Hex(00946F)	Ratio: 1.85 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 5.47 AA ¹ AAA 18pt ⁴
Hex(007957)	Ratio: 2.61 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 3.87 AA 18pt ²
Hex(005F40)	Ratio: 3.73 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(00462A)	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(002F15)	Ratio: 7.13 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(001300)	Ratio: 9.25 Passed ⁶	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 10.11 Passed ⁶	Ratio: 7.49 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.09 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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