

Converting Colors - WCAG Matrix

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

	Hex(389898)	Hex(107E7E)	Hex(006565)	Hex(004C4D)	Hex(003537)	Hex(002121)	Hex(00000A)	Hex(000000)
Hex(389898)		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴
Hex(107E7E)	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.29 AA 18pt ²	Ratio: 4.31 AA 18pt ²
Hex(006565)	Ratio: 2.00 Failed ⁵	Ratio: 2.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.05 AA 18pt ²
Hex(004C4D)	Ratio: 2.86 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(003537)	Ratio: 3.91 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(002121)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(00000A)	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.31 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.00 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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