

Converting Colors - WCAG Matrix

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

	Hex(8CFFFF)	Hex(6EE3E3)	Hex(4FC7C7)	Hex(29ABAB)	Hex(008F91)	Hex(007578)	Hex(005C5E)	Hex(004547)	Hex(002E30)	Hex(00171C)
Hex(8CFFFF)		Ratio: 1.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 9.20 Passed ⁶	Ratio: 12.46 Passed ⁶	Ratio: 15.68 Passed ⁶
Hex(6EE3E3)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 12.08 Passed ⁶
Hex(4FC7C7)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶	Ratio: 9.06 Passed ⁶
Hex(29ABAB)	Ratio: 2.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴
Hex(008F91)	Ratio: 3.35 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴
Hex(007578)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(005C5E)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(004547)	Ratio: 9.20 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(002E30)	Ratio: 12.46 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 7.20 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(00171C)	Ratio: 15.68 Passed ⁶	Ratio: 12.08 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.26 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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