

Converting Colors - WCAG Matrix

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

	Hex(8EEDFF)	Hex(71D1E2)	Hex(53B5C6)	Hex(329AAB)	Hex(008090)	Hex(006777)	Hex(004E5E)	Hex(003746)	Hex(002230)	Hex(00011C)
Hex(8EEDFF)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 9.61 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 15.38 Passed ⁶
Hex(71D1E2)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 7.29 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 11.67 Passed ⁶
Hex(53B5C6)	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 8.61 Passed ⁶
Hex(329AAB)	Ratio: 2.48 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴
Hex(008090)	Ratio: 3.50 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.40 AA 18pt ²
Hex(006777)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(004E5E)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(003746)	Ratio: 9.61 Passed ⁶	Ratio: 7.29 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(002230)	Ratio: 12.35 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(00011C)	Ratio: 15.38 Passed ⁶	Ratio: 11.67 Passed ⁶	Ratio: 8.61 Passed ⁶	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.40 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 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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