

Converting Colors - WCAG Matrix

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

	Hex(77E3FF)	Hex(57C7E2)	Hex(34ABC6)	Hex(0091AB)	Hex(007790)	Hex(005E77)	Hex(00465E)	Hex(002F46)	Hex(001C30)	Hex(00011B)
Hex(77E3FF)		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 9.51 Passed ⁶	Ratio: 11.76 Passed ⁶	Ratio: 13.93 Passed ⁶
Hex(57C7E2)	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 8.83 Passed ⁶	Ratio: 10.46 Passed ⁶
Hex(34ABC6)	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶
Hex(0091AB)	Ratio: 2.52 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 5.53 AA ¹ AAA 18pt ⁴
Hex(007790)	Ratio: 3.52 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(005E77)	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(00465E)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(002F46)	Ratio: 9.51 Passed ⁶	Ratio: 7.14 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(001C30)	Ratio: 11.76 Passed ⁶	Ratio: 8.83 Passed ⁶	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(00011B)	Ratio: 13.93 Passed ⁶	Ratio: 10.46 Passed ⁶	Ratio: 7.63 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.18 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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