

Converting Colors - WCAG Matrix

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

	Hex(82EDFF)	Hex(63D1E3)	Hex(42B5C7)	Hex(1799AB)	Hex(00808F)	Hex(006678)	Hex(004F5E)	Hex(003845)	Hex(002130)	Hex(00001C)
Hex(82EDFF)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 9.39 Passed ⁶	Ratio: 12.31 Passed ⁶	Ratio: 15.25 Passed ⁶
Hex(63D1E3)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶	Ratio: 9.33 Passed ⁶	Ratio: 11.57 Passed ⁶
Hex(42B5C7)	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 8.52 Passed ⁶
Hex(1799AB)	Ratio: 2.51 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴
Hex(00808F)	Ratio: 3.46 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.41 AA 18pt ²
Hex(006678)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(004F5E)	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(003845)	Ratio: 9.39 Passed ⁶	Ratio: 7.12 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(002130)	Ratio: 12.31 Passed ⁶	Ratio: 9.33 Passed ⁶	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(00001C)	Ratio: 15.25 Passed ⁶	Ratio: 11.57 Passed ⁶	Ratio: 8.52 Passed ⁶	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 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.

This PDF was generated on convertingcolors.com.