

Converting Colors - WCAG Matrix

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

	Hex(54F5FF)	Hex(24D8E2)	Hex(00BCC6)	Hex(00A1AB)	Hex(008691)	Hex(006C77)	Hex(00535E)	Hex(003B47)	Hex(002730)	Hex(00011C)
Hex(54F5FF)		Ratio: 1.32 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 9.25 Passed ⁶	Ratio: 11.92 Passed ⁶	Ratio: 15.55 Passed ⁶
Hex(24D8E2)	Ratio: 1.32 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 9.00 Passed ⁶	Ratio: 11.75 Passed ⁶
Hex(00BCC6)	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 8.82 Passed ⁶
Hex(00A1AB)	Ratio: 2.38 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 6.55 AA ¹ AAA 18pt ⁴
Hex(008691)	Ratio: 3.30 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴
Hex(006C77)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(00535E)	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(003B47)	Ratio: 9.25 Passed ⁶	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(002730)	Ratio: 11.92 Passed ⁶	Ratio: 9.00 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(00011C)	Ratio: 15.55 Passed ⁶	Ratio: 11.75 Passed ⁶	Ratio: 8.82 Passed ⁶	Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.31 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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