

Converting Colors - WCAG Matrix

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

	Hex(071E2C)	Hex(1E3342)	Hex(35495A)	Hex(4D6172)	Hex(657A8C)	Hex(7F94A6)	Hex(99AEC1)	Hex(B4CADD)	Hex(D0E6FA)	Hex(ECFFFF)
Hex(071E2C)		Ratio: 1.31 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 10.10 Passed ⁶	Ratio: 13.31 Passed ⁶	Ratio: 16.50 Passed ⁶
Hex(1E3342)	Ratio: 1.31 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 12.64 Passed ⁶
Hex(35495A)	Ratio: 1.83 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 9.02 Passed ⁶
Hex(4D6172)	Ratio: 2.65 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴
Hex(657A8C)	Ratio: 3.83 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.31 AA 18pt ²
Hex(7F94A6)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.04 AA 18pt ²
Hex(99AEC1)	Ratio: 7.46 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(B4CADD)	Ratio: 10.10 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(D0E6FA)	Ratio: 13.31 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 7.27 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(ECFFFF)	Ratio: 16.50 Passed ⁶	Ratio: 12.64 Passed ⁶	Ratio: 9.02 Passed ⁶	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 4.31 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.63 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.