

Converting Colors - WCAG Matrix

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

	Hex(002424)	Hex(173838)	Hex(2E4F4F)	Hex(456969)	Hex(5E8282)	Hex(789C9C)	Hex(91B8B5)	Hex(ADD1D1)	Hex(C9F0ED)	Hex(E6FFFF)
Hex(002424)		Ratio: 1.30 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 13.44 Passed ⁶	Ratio: 15.74 Passed ⁶
Hex(173838)	Ratio: 1.30 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.35 Passed ⁶	Ratio: 12.12 Passed ⁶
Hex(2E4F4F)	Ratio: 1.84 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 8.57 Passed ⁶
Hex(456969)	Ratio: 2.72 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(5E8282)	Ratio: 3.91 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(789C9C)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(91B8B5)	Ratio: 7.61 Passed ⁶	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(ADD1D1)	Ratio: 10.03 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(C9F0ED)	Ratio: 13.44 Passed ⁶	Ratio: 10.35 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(E6FFFF)	Ratio: 15.74 Passed ⁶	Ratio: 12.12 Passed ⁶	Ratio: 8.57 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.17 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.