

Converting Colors - WCAG Matrix

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

	Hex(CCCFE6)	Hex(B0B3CA)	Hex(9699AE)	Hex(7C7F94)	Hex(63667A)	Hex(4B4E61)	Hex(343749)	Hex(1E2233)	Hex(080B1E)	Hex(000001)
Hex(CCCFE6)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 12.66 Passed ⁶	Ratio: 13.63 Passed ⁶
Hex(B0B3CA)	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.42 Passed ⁶	Ratio: 10.14 Passed ⁶
Hex(9699AE)	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶
Hex(7C7F94)	Ratio: 2.56 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(63667A)	Ratio: 3.67 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 3.71 AA 18pt ²
Hex(4B4E61)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(343749)	Ratio: 7.62 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(1E2233)	Ratio: 10.24 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(080B1E)	Ratio: 12.66 Passed ⁶	Ratio: 9.42 Passed ⁶	Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000001)	Ratio: 13.63 Passed ⁶	Ratio: 10.14 Passed ⁶	Ratio: 7.46 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.08 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.