

Converting Colors - WCAG Matrix

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

	Hex(C3E8F7)	Hex(A7CCDB)	Hex(8CB0BF)	Hex(7296A4)	Hex(597C89)	Hex(406370)	Hex(284B57)	Hex(0E3440)	Hex(001F2A)	Hex(000116)
Hex(C3E8F7)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 13.18 Passed ⁶	Ratio: 15.95 Passed ⁶
Hex(A7CCDB)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 12.11 Passed ⁶
Hex(8CB0BF)	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 8.93 Passed ⁶
Hex(7296A4)	Ratio: 2.45 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴
Hex(597C89)	Ratio: 3.47 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴
Hex(406370)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.19 AA 18pt ²
Hex(284B57)	Ratio: 7.25 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(0E3440)	Ratio: 10.23 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(001F2A)	Ratio: 13.18 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 7.38 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000116)	Ratio: 15.95 Passed ⁶	Ratio: 12.11 Passed ⁶	Ratio: 8.93 Passed ⁶	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 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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