

Converting Colors - WCAG Matrix

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

	Hex(00041C)	Hex(E2E6FF)	Hex(2E3347)	Hex(45495F)	Hex(5D6178)	Hex(767A91)	Hex(8F94AC)	Hex(AAAEC7)	Hex(C5CAE3)
Hex(00041C)		Ratio: 16.43 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 9.27 Passed ⁶	Ratio: 12.50 Passed ⁶
Hex(E2E6FF)	Ratio: 16.43 Passed ⁶		Ratio: 10.11 Passed ⁶	Ratio: 7.17 Passed ⁶	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(2E3347)	Ratio: 1.63 Failed ⁵	Ratio: 10.11 Passed ⁶		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶
Hex(45495F)	Ratio: 2.29 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴
Hex(5D6178)	Ratio: 3.33 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.75 AA 18pt ²
Hex(767A91)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(8F94AC)	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 2.43 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(AAAEC7)	Ratio: 9.27 Passed ⁶	Ratio: 1.77 Failed ⁵	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵
Hex(C5CAE3)	Ratio: 12.50 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.69 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 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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