

Converting Colors - WCAG Matrix

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

	Hex(001D26)	Hex(E4FFFF)	Hex(2E4953)	Hex(45616B)	Hex(5E7984)	Hex(77939F)	Hex(91AEBA)	Hex(ACC9D5)	Hex(C7E5F2)
Hex(001D26)		Ratio: 16.65 Passed ⁶	Ratio: 1.82 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 13.22 Passed ⁶
Hex(E4FFFF)	Ratio: 16.65 Passed ⁶		Ratio: 9.14 Passed ⁶	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(2E4953)	Ratio: 1.82 Failed ⁵	Ratio: 9.14 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶
Hex(45616B)	Ratio: 2.64 Failed ⁵	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(5E7984)	Ratio: 3.77 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.50 AA 18pt ²
Hex(77939F)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.10 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(91AEBA)	Ratio: 7.45 Passed ⁶	Ratio: 2.24 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(ACC9D5)	Ratio: 10.03 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(C7E5F2)	Ratio: 13.22 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 7.26 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 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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