

Converting Colors - WCAG Matrix

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

	Hex(111C22)	Hex(F2FFFF)	Hex(3C474E)	Hex(535F66)	Hex(6B787F)	Hex(859199)	Hex(9FACB4)	Hex(BAC7CF)	Hex(D6E3EC)
Hex(111C22)		Ratio: 16.92 Passed ⁶	Ratio: 1.82 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 13.24 Passed ⁶
Hex(F2FFFF)	Ratio: 16.92 Passed ⁶		Ratio: 9.31 Passed ⁶	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(3C474E)	Ratio: 1.82 Failed ⁵	Ratio: 9.31 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.29 Passed ⁶
Hex(535F66)	Ratio: 2.64 Failed ⁵	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(6B787F)	Ratio: 3.81 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(859199)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(9FACB4)	Ratio: 7.45 Passed ⁶	Ratio: 2.27 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(BAC7CF)	Ratio: 10.02 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(D6E3EC)	Ratio: 13.24 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 7.29 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.47 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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