

Converting Colors - WCAG Matrix

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

	Hex(161A35)	Hex(FDFDFF)	Hex(434564)	Hex(5B5C7D)	Hex(747597)	Hex(8E8EB2)	Hex(A9A9CD)	Hex(C4C4E9)	Hex(E0E0FF)
Hex(161A35)		Ratio: 16.76 Passed ⁶	Ratio: 1.84 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 13.20 Passed ⁶
Hex(FDFDFF)	Ratio: 16.76 Passed ⁶		Ratio: 9.09 Passed ⁶	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(434564)	Ratio: 1.84 Failed ⁵	Ratio: 9.09 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶
Hex(5B5C7D)	Ratio: 2.65 Failed ⁵	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(747597)	Ratio: 3.84 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(8E8EB2)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.10 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(A9A9CD)	Ratio: 7.50 Passed ⁶	Ratio: 2.24 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(C4C4E9)	Ratio: 10.07 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E0E0FF)	Ratio: 13.20 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 7.16 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 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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