

Converting Colors - WCAG Matrix

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

	Hex(1C1D24)	Hex(FFFFFF)	Hex(474850)	Hex(5F6069)	Hex(787982)	Hex(92939C)	Hex(ACADB6)	Hex(C7C8D2)	Hex(E3E4EE)
Hex(1C1D24)		Ratio: 16.79 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 13.27 Passed ⁶
Hex(FFFFFF)	Ratio: 16.79 Passed ⁶		Ratio: 9.09 Passed ⁶	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(474850)	Ratio: 1.85 Failed ⁵	Ratio: 9.09 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶
Hex(5F6069)	Ratio: 2.69 Failed ⁵	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴
Hex(787982)	Ratio: 3.88 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(92939C)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.05 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(ACADB6)	Ratio: 7.52 Passed ⁶	Ratio: 2.23 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(C7C8D2)	Ratio: 10.09 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E3E4EE)	Ratio: 13.27 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 7.18 Passed ⁶	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 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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