

Converting Colors - WCAG Matrix

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

	Hex(CDD2E4)	Hex(B1B6C8)	Hex(979CAD)	Hex(7D8292)	Hex(646878)	Hex(4C5060)	Hex(353A48)	Hex(1F2431)	Hex(090F1D)	Hex(FFFFFF)
Hex(CDD2E4)		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 12.70 Passed ⁶	Ratio: 1.51 Failed ⁵
Hex(B1B6C8)	Ratio: 1.34 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.47 Passed ⁶	Ratio: 2.02 Failed ⁵
Hex(979CAD)	Ratio: 1.82 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 2.74 Failed ⁵
Hex(7D8292)	Ratio: 2.54 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²
Hex(646878)	Ratio: 3.67 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴
Hex(4C5060)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 8.00 Passed ⁶
Hex(353A48)	Ratio: 7.53 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 11.35 Passed ⁶
Hex(1F2431)	Ratio: 10.28 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 15.50 Passed ⁶
Hex(090F1D)	Ratio: 12.70 Passed ⁶	Ratio: 9.47 Passed ⁶	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 19.13 Passed ⁶
Hex(FFFFFF)	Ratio: 1.51 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 8.00 Passed ⁶	Ratio: 11.35 Passed ⁶	Ratio: 15.50 Passed ⁶	Ratio: 19.13 Passed ⁶	

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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