

Converting Colors - WCAG Matrix

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

	Hex(232B3D)	Hex(FFFFFF)	Hex(51586D)	Hex(6A7186)	Hex(838AA0)	Hex(9DA5BB)	Hex(B8C0D7)	Hex(D4DCF3)	Hex(F0F8FF)
Hex(232B3D)		Ratio: 14.15 Passed ⁶	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.79 Passed ⁶	Ratio: 10.33 Passed ⁶	Ratio: 13.19 Passed ⁶
Hex(FFFFFF)	Ratio: 14.15 Passed ⁶		Ratio: 7.08 Passed ⁶	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(51586D)	Ratio: 2.00 Failed ⁵	Ratio: 7.08 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.60 AA ¹ AAA 18pt ⁴
Hex(6A7186)	Ratio: 2.91 Failed ⁵	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(838AA0)	Ratio: 4.11 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(9DA5BB)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 2.46 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(B8C0D7)	Ratio: 7.79 Passed ⁶	Ratio: 1.82 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(D4DCF3)	Ratio: 10.33 Passed ⁶	Ratio: 1.37 Failed ⁵	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(F0F8FF)	Ratio: 13.19 Passed ⁶	Ratio: 1.07 Failed ⁵	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 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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