

Converting Colors - WCAG Matrix

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

	Hex(0C2527)	Hex(F0FFFF)	Hex(395254)	Hex(506A6C)	Hex(698385)	Hex(829D9F)	Hex(9DB8BA)	Hex(B8D4D6)	Hex(D3F0F2)
Hex(0C2527)		Ratio: 15.62 Passed ⁶	Ratio: 1.92 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 13.38 Passed ⁶
Hex(F0FFFF)	Ratio: 15.62 Passed ⁶		Ratio: 8.15 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(395254)	Ratio: 1.92 Failed ⁵	Ratio: 8.15 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.99 AA 18pt ² AAA 18pt ⁴	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴
Hex(506A6C)	Ratio: 2.76 Failed ⁵	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.71 AA 18pt ² AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(698385)	Ratio: 3.96 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(829D9F)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 2.81 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(9DB8BA)	Ratio: 7.64 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(B8D4D6)	Ratio: 10.25 Passed ⁶	Ratio: 1.52 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(D3F0F2)	Ratio: 13.38 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 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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