

Converting Colors - WCAG Matrix

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

	Hex(18302E)	Hex(FFFFFF)	Hex(455F5C)	Hex(5D7774)	Hex(76918E)	Hex(90ACA8)	Hex(ABC7C3)	Hex(C6E3DF)	Hex(E2FFFC)
Hex(18302E)		Ratio: 13.99 Passed ⁶	Ratio: 2.03 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.79 Passed ⁶	Ratio: 10.30 Passed ⁶	Ratio: 13.29 Passed ⁶
Hex(FFFFFF)	Ratio: 13.99 Passed ⁶		Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(455F5C)	Ratio: 2.03 Failed ⁵	Ratio: 6.90 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 6.55 AA ¹ AAA 18pt ⁴
Hex(5D7774)	Ratio: 2.90 Failed ⁵	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴
Hex(76918E)	Ratio: 4.14 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(90ACA8)	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 2.43 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(ABC7C3)	Ratio: 7.79 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(C6E3DF)	Ratio: 10.30 Passed ⁶	Ratio: 1.36 Failed ⁵	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(E2FFFC)	Ratio: 13.29 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 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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