

Converting Colors - WCAG Matrix

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

	Hex(164147)	Hex(FFFFFF)	Hex(487177)	Hex(618A91)	Hex(7BA6AC)	Hex(95C0C7)	Hex(B1DCE3)	Hex(CCF9FF)	Hex(E9FFFF)
Hex(164147)		Ratio: 11.16 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 9.87 Passed ⁶	Ratio: 10.74 Passed ⁶
Hex(FFFFFF)	Ratio: 11.16 Passed ⁶		Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(487177)	Ratio: 2.08 Failed ⁵	Ratio: 5.38 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.18 AA ¹ AAA 18pt ⁴
Hex(618A91)	Ratio: 2.95 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.64 AA 18pt ²
Hex(7BA6AC)	Ratio: 4.20 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(95C0C7)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(B1DCE3)	Ratio: 7.56 Passed ⁶	Ratio: 1.48 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(CCF9FF)	Ratio: 9.87 Passed ⁶	Ratio: 1.13 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(E9FFFF)	Ratio: 10.74 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.09 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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