

Converting Colors - WCAG Matrix

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

	Hex(4D5A71)	Hex(FFFFFF)	Hex(7F8CA5)	Hex(99A6C0)	Hex(B4C1DC)	Hex(D0DDF8)	Hex(ECFAFF)
Hex(4D5A71)		Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 6.53 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.96 AA ¹ AAA 18pt ⁴		Ratio: 3.39 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(7F8CA5)	Ratio: 2.05 Failed ⁵	Ratio: 3.39 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(99A6C0)	Ratio: 2.84 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(B4C1DC)	Ratio: 3.85 AA 18pt ²	Ratio: 1.81 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(D0DDF8)	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 1.37 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(ECFAFF)	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.70 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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