

Converting Colors - WCAG Matrix

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

	Hex(313962)	Hex(FFFFFF)	Hex(626895)	Hex(7C81B0)	Hex(969BCB)	Hex(B2B6E8)	Hex(CDD1FF)	Hex(EAEDFF)
Hex(313962)		Ratio: 11.10 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 9.54 Passed ⁶
Hex(FFFFFF)	Ratio: 11.10 Passed ⁶		Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(626895)	Ratio: 2.08 Failed ⁵	Ratio: 5.34 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(7C81B0)	Ratio: 2.97 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(969BCB)	Ratio: 4.15 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(B2B6E8)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 1.95 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(CDD1FF)	Ratio: 7.48 Passed ⁶	Ratio: 1.48 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(EAEDFF)	Ratio: 9.54 Passed ⁶	Ratio: 1.16 Failed ⁵	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.68 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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