

Converting Colors - WCAG Matrix

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

	Hex(4A4168)	Hex(FFFFFF)	Hex(7C719B)	Hex(968AB6)	Hex(B1A5D2)	Hex(CCC0EE)	Hex(E9DCFF)	Hex(FFF8FF)
Hex(4A4168)		Ratio: 9.34 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.95 Passed ⁶
Hex(FFFFFF)	Ratio: 9.34 Passed ⁶		Ratio: 4.48 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(7C719B)	Ratio: 2.09 Failed ⁵	Ratio: 4.48 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.29 AA 18pt ²
Hex(968AB6)	Ratio: 2.94 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.05 AA 18pt ²
Hex(B1A5D2)	Ratio: 4.09 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(CCC0EE)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 1.70 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(E9DCFF)	Ratio: 7.18 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(FFF8FF)	Ratio: 8.95 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 4.29 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.25 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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