

Converting Colors - WCAG Matrix

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

	Hex(622971)	Hex(FFFFFF)	Hex(975AA6)	Hex(B374C1)	Hex(CF8EDD)	Hex(EBA9FA)	Hex(FFC5FF)	Hex(FFE1FF)	Hex(FFFEFF)
Hex(622971)		Ratio: 10.12 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 8.42 Passed ⁶	Ratio: 10.06 Passed ⁶
Hex(FFFFFF)	Ratio: 10.12 Passed ⁶		Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(975AA6)	Ratio: 2.09 Failed ⁵	Ratio: 4.85 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴
Hex(B374C1)	Ratio: 2.98 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(CF8EDD)	Ratio: 4.13 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(EBA9FA)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 1.81 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(FFC5FF)	Ratio: 7.08 Passed ⁶	Ratio: 1.43 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(FFE1FF)	Ratio: 8.42 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFEFF)	Ratio: 10.06 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 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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