

Converting Colors - WCAG Matrix

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

	Hex(610068)	Hex(FFFFFF)	Hex(973F9C)	Hex(B35AB7)	Hex(CF74D3)	Hex(EC8FEF)	Hex(FFABFF)	Hex(FFC7FF)	Hex(FFE3FF)
Hex(610068)		Ratio: 12.29 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 8.70 Passed ⁶	Ratio: 10.35 Passed ⁶
Hex(FFFFFF)	Ratio: 12.29 Passed ⁶		Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(973F9C)	Ratio: 2.05 Failed ⁵	Ratio: 5.99 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴
Hex(B35AB7)	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.49 AA 18pt ²
Hex(CF74D3)	Ratio: 4.15 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(EC8FEF)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.16 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFABFF)	Ratio: 7.33 Passed ⁶	Ratio: 1.68 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FFC7FF)	Ratio: 8.70 Passed ⁶	Ratio: 1.41 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFE3FF)	Ratio: 10.35 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 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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