

Converting Colors - WCAG Matrix

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

	Hex(680059)	Hex(FFFFFF)	Hex(9E408B)	Hex(BA5AA6)	Hex(D775C1)	Hex(F490DD)	Hex(FFABFA)	Hex(FFC8FF)	Hex(FFE4FF)
Hex(680059)		Ratio: 12.12 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 8.63 Passed ⁶	Ratio: 10.27 Passed ⁶
Hex(FFFFFF)	Ratio: 12.12 Passed ⁶		Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(9E408B)	Ratio: 2.05 Failed ⁵	Ratio: 5.90 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴
Hex(BA5AA6)	Ratio: 2.94 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.49 AA 18pt ²
Hex(D775C1)	Ratio: 4.16 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(F490DD)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.13 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(FFABFA)	Ratio: 7.19 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFC8FF)	Ratio: 8.63 Passed ⁶	Ratio: 1.40 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFE4FF)	Ratio: 10.27 Passed ⁶	Ratio: 1.18 Failed ⁵	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.43 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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