

Converting Colors - WCAG Matrix

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

Hex(9400FF) Hex(FF00EE) Hex(7A7380) Hex(6F00BF) Hex(250040)

	Hex(9400FF)	Hex(FF00EE)	Hex(7A7380)	Hex(6F00BF)	Hex(250040)
Hex(9400FF)		Ratio: 1.75 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(FF00EE)	Ratio: 1.75 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 5.63 AA ¹ AAA 18pt ⁴
Hex(7A7380)	Ratio: 1.24 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.89 Failed ⁵	Ratio: 3.98 AA 18pt ²
Hex(6F00BF)	Ratio: 1.53 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.89 Failed ⁵		Ratio: 2.11 Failed ⁵
Hex(250040)	Ratio: 3.21 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.11 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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