

Converting Colors - WCAG Matrix

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

Hex(F44FF) Hex(F1FFF) Hex(F44A2) Hex(807380) Hex(BF00BF) Hex(400040)

	Hex(F44FF)	Hex(F1FFF)	Hex(F44A2)	Hex(807380)	Hex(BF00BF)	Hex(400040)
Hex(F44FF)		Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 5.82 AA ¹ AAA 18pt ⁴
Hex(F1FFF)	Ratio: 1.09 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 5.33 AA ¹ AAA 18pt ⁴
Hex(F44A2)	Ratio: 1.14 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(807380)	Ratio: 1.61 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(BF00BF)	Ratio: 1.90 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 3.07 AA 18pt ²
Hex(400040)	Ratio: 5.82 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 3.07 AA 18pt ²	

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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