

Converting Colors - WCAG Matrix

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

Hex(FF68FF) Hex(FF4AFF) Hex(FF68B3) Hex(807380) Hex(BF00BF) Hex(400040)

	Hex(FF68FF)	Hex(FF4AFF)	Hex(FF68B3)	Hex(807380)	Hex(BF00BF)	Hex(400040)
Hex(FF68FF)		Ratio: 1.13 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(FF4AFF)	Ratio: 1.13 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 5.94 AA ¹ AAA 18pt ⁴
Hex(FF68B3)	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.68 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(807380)	Ratio: 1.85 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.68 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(BF00BF)	Ratio: 2.19 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 3.07 AA 18pt ²
Hex(400040)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 6.10 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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