

Converting Colors - WCAG Matrix

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

Hex(FF59F7) Hex(FF38F5) Hex(A6FF59) Hex(807380) Hex(BF00B5) Hex(40003D)

	Hex(FF59F7)	Hex(FF38F5)	Hex(A6FF59)	Hex(807380)	Hex(BF00B5)	Hex(40003D)
Hex(FF59F7)		Ratio: 1.12 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 6.24 AA ¹ AAA 18pt ⁴
Hex(FF38F5)	Ratio: 1.12 Failed ⁵		Ratio: 2.39 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 5.55 AA ¹ AAA 18pt ⁴
Hex(A6FF59)	Ratio: 2.13 Failed ⁵	Ratio: 2.39 Failed ⁵		Ratio: 3.65 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 13.28 Passed ⁶
Hex(807380)	Ratio: 1.71 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 3.65 AA 18pt ²		Ratio: 1.21 Failed ⁵	Ratio: 3.64 AA 18pt ²
Hex(BF00B5)	Ratio: 2.07 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 4.40 AA 18pt ²	Ratio: 1.21 Failed ⁵		Ratio: 3.02 AA 18pt ²
Hex(40003D)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 13.28 Passed ⁶	Ratio: 3.64 AA 18pt ²	Ratio: 3.02 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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