

Converting Colors - WCAG Matrix

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

Hex(FF4781) Hex(FF2167) Hex(47DEFF) Hex(807377) Hex(BF003C) Hex(400014)

	Hex(FF4781)	Hex(FF2167)	Hex(47DEFF)	Hex(807377)	Hex(BF003C)	Hex(400014)
Hex(FF4781)		Ratio: 1.14 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 5.27 AA ¹ AAA 18pt ⁴
Hex(FF2167)	Ratio: 1.14 Failed ⁵		Ratio: 2.32 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(47DEFF)	Ratio: 2.03 Failed ⁵	Ratio: 2.32 Failed ⁵		Ratio: 2.84 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 10.72 Passed ⁶
Hex(807377)	Ratio: 1.40 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 2.84 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 3.78 AA 18pt ²
Hex(BF003C)	Ratio: 1.97 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 2.67 Failed ⁵
Hex(400014)	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 10.72 Passed ⁶	Ratio: 3.78 AA 18pt ²	Ratio: 2.67 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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