

Converting Colors - WCAG Matrix

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

Hex(FFE9FF) Hex(FFE6FF) Hex(FFF4E9) Hex(807380) Hex(BF00BF) Hex(400040)

	Hex(FFE9FF)	Hex(FFE6FF)	Hex(FFF4E9)	Hex(807380)	Hex(BF00BF)	Hex(400040)
Hex(FFE9FF)		Ratio: 1.02 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 14.20 Passed ⁶
Hex(FFE6FF)	Ratio: 1.02 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 13.94 Passed ⁶
Hex(FFF4E9)	Ratio: 1.06 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 4.14 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 14.99 Passed ⁶
Hex(807380)	Ratio: 3.92 AA 18pt ²	Ratio: 3.85 AA 18pt ²	Ratio: 4.14 AA 18pt ²		Ratio: 1.18 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(BF00BF)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵		Ratio: 3.07 AA 18pt ²
Hex(400040)	Ratio: 14.20 Passed ⁶	Ratio: 13.94 Passed ⁶	Ratio: 14.99 Passed ⁶	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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