

Converting Colors - WCAG Matrix

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

Hex(FFB6FF) Hex(FFA8FF) Hex(B6FFDB) Hex(807380) Hex(BF00BF) Hex(400040)

	Hex(FFB6FF)	Hex(FFA8FF)	Hex(B6FFDB)	Hex(807380)	Hex(BF00BF)	Hex(400040)
Hex(FFB6FF)		Ratio: 1.09 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 10.36 Passed ⁶
Hex(FFA8FF)	Ratio: 1.09 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 9.52 Passed ⁶
Hex(B6FFDB)	Ratio: 1.37 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 3.91 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 14.18 Passed ⁶
Hex(807380)	Ratio: 2.86 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.91 AA 18pt ²		Ratio: 1.18 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(BF00BF)	Ratio: 3.37 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵		Ratio: 3.07 AA 18pt ²
Hex(400040)	Ratio: 10.36 Passed ⁶	Ratio: 9.52 Passed ⁶	Ratio: 14.18 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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