

Converting Colors - WCAG Matrix

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

Hex(FF61FF) Hex(FF40FF) Hex(FFB060) Hex(807380) Hex(BF00BF) Hex(400040)

	Hex(FF61FF)	Hex(FF40FF)	Hex(FFB060)	Hex(807380)	Hex(BF00BF)	Hex(400040)
Hex(FF61FF)		Ratio: 1.13 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 6.51 AA ¹ AAA 18pt ⁴
Hex(FF40FF)	Ratio: 1.13 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 5.75 AA ¹ AAA 18pt ⁴
Hex(FFB060)	Ratio: 1.38 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 2.48 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 9.00 Passed ⁶
Hex(807380)	Ratio: 1.80 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 2.48 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(BF00BF)	Ratio: 2.12 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 3.07 AA 18pt ²
Hex(400040)	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 9.00 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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