

Converting Colors - WCAG Matrix

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

Hex(CF00CF) Hex(FFB3FF) Hex(0000CF) Hex(805280) Hex(000000) Hex(808080)

	Hex(CF00CF)	Hex(FFB3FF)	Hex(0000CF)	Hex(805280)	Hex(000000)	Hex(808080)
Hex(CF00CF)		Ratio: 2.89 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(FFB3FF)	Ratio: 2.89 Failed ⁵		Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 13.14 Passed ⁶	Ratio: 2.47 Failed ⁵
Hex(0000CF)	Ratio: 2.40 Failed ⁵	Ratio: 6.91 AA ¹ AAA 18pt ⁴		Ratio: 1.81 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(805280)	Ratio: 1.33 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.81 Failed ⁵		Ratio: 3.44 AA 18pt ²	Ratio: 1.55 Failed ⁵
Hex(000000)	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 13.14 Passed ⁶	Ratio: 1.90 Failed ⁵	Ratio: 3.44 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.17 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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