

Converting Colors - WCAG Matrix

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

Hex(FF1CFF) Hex(FFBAFF) Hex(1C1CFF) Hex(805780) Hex(000000) Hex(808080)

	Hex(FF1CFF)	Hex(FFBAFF)	Hex(1C1CFF)	Hex(805780)	Hex(000000)	Hex(808080)
Hex(FF1CFF)		Ratio: 2.00 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵
Hex(FFBAFF)	Ratio: 2.00 Failed ⁵		Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 13.72 Passed ⁶	Ratio: 2.58 Failed ⁵
Hex(1C1CFF)	Ratio: 2.58 Failed ⁵	Ratio: 5.16 AA ¹ AAA 18pt ⁴		Ratio: 1.35 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(805780)	Ratio: 1.91 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.35 Failed ⁵		Ratio: 3.59 AA 18pt ²	Ratio: 1.48 Failed ⁵
Hex(000000)	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 13.72 Passed ⁶	Ratio: 2.66 Failed ⁵	Ratio: 3.59 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.29 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.48 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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