

Converting Colors - WCAG Matrix

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

Hex(CC2200) Hex(FFBFB3) Hex(CC00AA) Hex(805952) Hex(000000) Hex(808080)

	Hex(CC2200)	Hex(FFBFB3)	Hex(CC00AA)	Hex(805952)	Hex(000000)	Hex(808080)
Hex(CC2200)		Ratio: 3.52 AA 18pt ²	Ratio: 1.09 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 1.40 Failed ⁵
Hex(FFBFB3)	Ratio: 3.52 AA 18pt ²		Ratio: 3.22 AA 18pt ²	Ratio: 3.85 AA 18pt ²	Ratio: 13.36 Passed ⁶	Ratio: 2.51 Failed ⁵
Hex(CC00AA)	Ratio: 1.09 Failed ⁵	Ratio: 3.22 AA 18pt ²		Ratio: 1.20 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 1.28 Failed ⁵
Hex(805952)	Ratio: 1.09 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 1.20 Failed ⁵		Ratio: 3.47 AA 18pt ²	Ratio: 1.53 Failed ⁵
Hex(000000)	Ratio: 3.80 AA 18pt ²	Ratio: 13.36 Passed ⁶	Ratio: 4.15 AA 18pt ²	Ratio: 3.47 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.40 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.53 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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