

Converting Colors - WCAG Matrix

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

Hex(CC002B) Hex(FFB3C3) Hex(A000CC) Hex(80525B) Hex(000000) Hex(808080)

	Hex(CC002B)	Hex(FFB3C3)	Hex(A000CC)	Hex(80525B)	Hex(000000)	Hex(808080)
Hex(CC002B)		Ratio: 3.47 AA 18pt ²	Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 1.48 Failed ⁵
Hex(FFB3C3)	Ratio: 3.47 AA 18pt ²		Ratio: 3.71 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 12.49 Passed ⁶	Ratio: 2.35 Failed ⁵
Hex(A000CC)	Ratio: 1.07 Failed ⁵	Ratio: 3.71 AA 18pt ²		Ratio: 1.03 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(80525B)	Ratio: 1.10 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 1.03 Failed ⁵		Ratio: 3.28 AA 18pt ²	Ratio: 1.62 Failed ⁵
Hex(000000)	Ratio: 3.60 AA 18pt ²	Ratio: 12.49 Passed ⁶	Ratio: 3.37 AA 18pt ²	Ratio: 3.28 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.48 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.62 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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