

Converting Colors - WCAG Matrix

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

Hex(FF3A00) Hex(FFC4B3) Hex(FF00C8) Hex(805C52) Hex(000000) Hex(808080)

	Hex(FF3A00)	Hex(FFC4B3)	Hex(FF00C8)	Hex(805C52)	Hex(000000)	Hex(808080)
Hex(FF3A00)		Ratio: 2.36 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(FFC4B3)	Ratio: 2.36 Failed ⁵		Ratio: 2.27 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 13.80 Passed ⁶	Ratio: 2.60 Failed ⁵
Hex(FF00C8)	Ratio: 1.04 Failed ⁵	Ratio: 2.27 Failed ⁵		Ratio: 1.70 Failed ⁵	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(805C52)	Ratio: 1.64 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 1.70 Failed ⁵		Ratio: 3.57 AA 18pt ²	Ratio: 1.49 Failed ⁵
Hex(000000)	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 13.80 Passed ⁶	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.10 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.49 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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