

Converting Colors - WCAG Matrix

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

Hex(FF8600) Hex(FFDBB3) Hex(FF007B) Hex(806A52) Hex(000000) Hex(808080)

	Hex(FF8600)	Hex(FFDBB3)	Hex(FF007B)	Hex(806A52)	Hex(000000)	Hex(808080)
Hex(FF8600)		Ratio: 1.85 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 8.66 Passed ⁶	Ratio: 1.63 Failed ⁵
Hex(FFDBB3)	Ratio: 1.85 Failed ⁵		Ratio: 2.90 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 16.04 Passed ⁶	Ratio: 3.02 AA 18pt ²
Hex(FF007B)	Ratio: 1.56 Failed ⁵	Ratio: 2.90 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(806A52)	Ratio: 2.11 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 1.35 Failed ⁵		Ratio: 4.10 AA 18pt ²	Ratio: 1.30 Failed ⁵
Hex(000000)	Ratio: 8.66 Passed ⁶	Ratio: 16.04 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.63 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 1.04 Failed ⁵	Ratio: 1.30 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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