

Converting Colors - WCAG Matrix

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

Hex(F27405) Hex(FFD8B5) Hex(F20583) Hex(806853) Hex(000000) Hex(808080)

	Hex(F27405)	Hex(FFD8B5)	Hex(F20583)	Hex(806853)	Hex(000000)	Hex(808080)
Hex(F27405)		Ratio: 2.16 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 7.28 Passed ⁶	Ratio: 1.37 Failed ⁵
Hex(FFD8B5)	Ratio: 2.16 Failed ⁵		Ratio: 3.07 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 15.74 Passed ⁶	Ratio: 2.96 Failed ⁵
Hex(F20583)	Ratio: 1.42 Failed ⁵	Ratio: 3.07 AA 18pt ²		Ratio: 1.27 Failed ⁵	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(806853)	Ratio: 1.81 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 1.27 Failed ⁵		Ratio: 4.02 AA 18pt ²	Ratio: 1.32 Failed ⁵
Hex(000000)	Ratio: 7.28 Passed ⁶	Ratio: 15.74 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.37 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.32 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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