

Converting Colors - WCAG Matrix

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

Hex(FF7D33) Hex(FFD9C2) Hex(FF33B8) Hex(80695C) Hex(000000) Hex(808080)

	Hex(FF7D33)	Hex(FFD9C2)	Hex(FF33B8)	Hex(80695C)	Hex(000000)	Hex(808080)
Hex(FF7D33)		Ratio: 1.94 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 8.23 Passed ⁶	Ratio: 1.55 Failed ⁵
Hex(FFD9C2)	Ratio: 1.94 Failed ⁵		Ratio: 2.49 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 15.96 Passed ⁶	Ratio: 3.00 AA 18pt ²
Hex(FF33B8)	Ratio: 1.28 Failed ⁵	Ratio: 2.49 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 1.21 Failed ⁵
Hex(80695C)	Ratio: 2.01 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 1.57 Failed ⁵		Ratio: 4.09 AA 18pt ²	Ratio: 1.30 Failed ⁵
Hex(000000)	Ratio: 8.23 Passed ⁶	Ratio: 15.96 Passed ⁶	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.55 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 1.21 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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