

Converting Colors - WCAG Matrix

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

Hex(FF9A66) Hex(FFE1D1) Hex(FF66CC) Hex(806D63) Hex(000000) Hex(808080)

	Hex(FF9A66)	Hex(FFE1D1)	Hex(FF66CC)	Hex(806D63)	Hex(000000)	Hex(808080)
Hex(FF9A66)		Ratio: 1.68 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 10.07 Passed ⁶	Ratio: 1.89 Failed ⁵
Hex(FFE1D1)	Ratio: 1.68 Failed ⁵		Ratio: 2.11 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 16.94 Passed ⁶	Ratio: 3.19 AA 18pt ²
Hex(FF66CC)	Ratio: 1.25 Failed ⁵	Ratio: 2.11 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 8.02 Passed ⁶	Ratio: 1.51 Failed ⁵
Hex(806D63)	Ratio: 2.35 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 1.87 Failed ⁵		Ratio: 4.29 AA 18pt ²	Ratio: 1.24 Failed ⁵
Hex(000000)	Ratio: 10.07 Passed ⁶	Ratio: 16.94 Passed ⁶	Ratio: 8.02 Passed ⁶	Ratio: 4.29 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.89 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 1.51 Failed ⁵	Ratio: 1.24 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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