

Converting Colors - WCAG Matrix

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

	Hex(FF2400)	Hex(FFFFFB)	Hex(FF6B3C)	Hex(FF8A56)	Hex(FFA870)	Hex(FFC68B)	Hex(FFE4A6)	Hex(FFFFC2)	Hex(FFFFDE)
Hex(FF2400)		Ratio: 3.81 AA 18pt ²	Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.74 AA 18pt ²
Hex(FFFFFB)	Ratio: 3.81 AA 18pt ²		Ratio: 2.82 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF6B3C)	Ratio: 1.35 Failed ⁵	Ratio: 2.82 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(FF8A56)	Ratio: 1.64 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(FFA870)	Ratio: 2.01 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(FFC68B)	Ratio: 2.49 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFE4A6)	Ratio: 3.07 AA 18pt ²	Ratio: 1.24 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(FFFFC2)	Ratio: 3.69 AA 18pt ²	Ratio: 1.03 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFDE)	Ratio: 3.74 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.01 Failed ⁵	

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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