

Converting Colors - WCAG Matrix

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

	Hex(E04500)	Hex(FFFFFF)	Hex(FF7D3D)	Hex(FF9957)	Hex(FFB671)	Hex(FFD38B)	Hex(FFF0A7)	Hex(FFFC2)	Hex(FFFDF)
Hex(E04500)		Ratio: 4.17 AA 18pt ²	Ratio: 1.64 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 4.11 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.17 AA 18pt ²		Ratio: 2.54 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF7D3D)	Ratio: 1.64 Failed ⁵	Ratio: 2.54 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(FF9957)	Ratio: 1.98 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(FFB671)	Ratio: 2.43 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(FFD38B)	Ratio: 2.98 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(FFF0A7)	Ratio: 3.64 AA 18pt ²	Ratio: 1.15 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(FFFC2)	Ratio: 4.05 AA 18pt ²	Ratio: 1.03 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFDF)	Ratio: 4.11 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 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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