

Converting Colors - WCAG Matrix

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

	Hex(D73207)	Hex(F85124)	Hex(FF6D3D)	Hex(FF8A57)	Hex(FFA670)	Hex(FFC38B)	Hex(FFE0A6)	Hex(FFEC1)	Hex(FFFFDE)	Hex(FFFFFB)
Hex(D73207)		Ratio: 1.42 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.79 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴
Hex(F85124)	Ratio: 1.42 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 3.38 AA 18pt ²
Hex(FF6D3D)	Ratio: 1.73 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(FF8A57)	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(FFA670)	Ratio: 2.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(FFC38B)	Ratio: 3.09 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(FFE0A6)	Ratio: 3.79 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(FFEC1)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(FFFFDE)	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFB)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.02 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

Failed 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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