

Converting Colors - WCAG Matrix

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

	Hex(CE5500)	Hex(FFFFFFE)	Hex(FF8A3E)	Hex(FFA558)	Hex(FFC172)	Hex(FFDE8D)	Hex(FFFB8)	Hex(FFFFC4)	Hex(FFFFE0)
Hex(CE5500)		Ratio: 4.26 AA 18pt ²	Ratio: 1.82 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 4.13 AA 18pt ²	Ratio: 4.19 AA 18pt ²
Hex(FFFFFFE)	Ratio: 4.26 AA 18pt ²		Ratio: 2.34 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF8A3E)	Ratio: 1.82 Failed ⁵	Ratio: 2.34 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(FFA558)	Ratio: 2.19 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(FFC172)	Ratio: 2.67 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(FFDE8D)	Ratio: 3.27 AA 18pt ²	Ratio: 1.30 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(FFFB8)	Ratio: 3.98 AA 18pt ²	Ratio: 1.07 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(FFFFC4)	Ratio: 4.13 AA 18pt ²	Ratio: 1.03 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFE0)	Ratio: 4.19 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.05 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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