

Converting Colors - WCAG Matrix

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

	Hex(AD330E)	Hex(FFFFFFA)	Hex(EC693F)	Hex(FF8457)	Hex(FF9F70)	Hex(FFBB8A)	Hex(FFD8A5)	Hex(FFF5C1)	Hex(FFFFDD)
Hex(AD330E)		Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴
Hex(FFFFFFA)	Ratio: 6.43 AA ¹ AAA 18pt ⁴		Ratio: 3.14 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(EC693F)	Ratio: 2.04 Failed ⁵	Ratio: 3.14 AA 18pt ²		Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(FF8457)	Ratio: 2.67 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(FF9F70)	Ratio: 3.21 AA 18pt ²	Ratio: 2.00 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(FFBB8A)	Ratio: 3.91 AA 18pt ²	Ratio: 1.65 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(FFD8A5)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 1.34 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(FFF5C1)	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(FFFFDD)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.08 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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