

Converting Colors - WCAG Matrix

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

	Hex(C80311)	Hex(FFFFFFA)	Hex(FF5540)	Hex(FF7358)	Hex(FF9071)	Hex(FFAD8B)	Hex(FFCAA6)	Hex(FFE7C2)	Hex(FFFFDE)
Hex(C80311)		Ratio: 6.02 AA ¹ AAA 18pt ⁴	Ratio: 1.91 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.10 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴
Hex(FFFFFFA)	Ratio: 6.02 AA ¹ AAA 18pt ⁴		Ratio: 3.16 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF5540)	Ratio: 1.91 Failed ⁵	Ratio: 3.16 AA 18pt ²		Ratio: 1.18 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(FF7358)	Ratio: 2.26 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(FF9071)	Ratio: 2.73 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(FFAD8B)	Ratio: 3.34 AA 18pt ²	Ratio: 1.80 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(FFCAA6)	Ratio: 4.10 AA 18pt ²	Ratio: 1.47 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFE7C2)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 1.20 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(FFFFDE)	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.18 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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