

Converting Colors - WCAG Matrix

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

	Hex(8A2D00)	Hex(FFFE9)	Hex(C65F31)	Hex(E57949)	Hex(FF9462)	Hex(FFAF7C)	Hex(FFCB96)	Hex(FFE8B1)	Hex(FFFFCD)
Hex(8A2D00)		Ratio: 8.44 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶	Ratio: 8.32 Passed ⁶
Hex(FFFE9)	Ratio: 8.44 Passed ⁶		Ratio: 4.08 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(C65F31)	Ratio: 2.07 Failed ⁵	Ratio: 4.08 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.02 AA 18pt ²
Hex(E57949)	Ratio: 2.92 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(FF9462)	Ratio: 3.94 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(FFAF7C)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 1.78 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(FFCB96)	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFE8B1)	Ratio: 7.10 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(FFFFCD)	Ratio: 8.32 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.17 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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