

Converting Colors - WCAG Matrix

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

	Hex(9E1D00)	Hex(BD3B19)	Hex(DD5631)	Hex(FD7149)	Hex(FF8D62)	Hex(FFA87B)	Hex(FFC596)	Hex(FFE1B1)	Hex(FFF5CC)	Hex(FFFE9)
Hex(9E1D00)		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 7.88 Passed ⁶
Hex(BD3B19)	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.38 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 5.45 AA ¹ AAA 18pt ⁴
Hex(DD5631)	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.80 AA 18pt ²
Hex(FD7149)	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(FF8D62)	Ratio: 3.51 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(FFA87B)	Ratio: 4.24 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(FFC596)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(FFE1B1)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.38 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(FFF5CC)	Ratio: 7.77 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFE9)	Ratio: 7.88 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 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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