

Converting Colors - WCAG Matrix

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

	Hex(9D1C00)	Hex(BC3A19)	Hex(DC5631)	Hex(FB7149)	Hex(FF8C62)	Hex(FFA87B)	Hex(FFC495)	Hex(FFE1B0)	Hex(FFFECC)	Hex(FFFE9)
Hex(9D1C00)		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.28 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 7.81 Passed ⁶	Ratio: 7.97 Passed ⁶
Hex(BC3A19)	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.43 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 5.52 AA ¹ AAA 18pt ⁴
Hex(DC5631)	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.83 AA 18pt ²
Hex(FB7149)	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(FF8C62)	Ratio: 3.53 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(FFA87B)	Ratio: 4.28 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(FFC495)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(FFE1B0)	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(FFFECC)	Ratio: 7.81 Passed ⁶	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFE9)	Ratio: 7.97 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.02 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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