

Converting Colors - WCAG Matrix

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

	Hex(912E10)	Hex(FFFFFF)	Hex(CE613E)	Hex(ED7C56)	Hex(FF966F)	Hex(FFB289)	Hex(FFCEA3)	Hex(FFEBCF)	Hex(FFFDB)
Hex(912E10)		Ratio: 8.03 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 7.91 Passed ⁶
Hex(FFFFFF)	Ratio: 8.03 Passed ⁶		Ratio: 3.87 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(CE613E)	Ratio: 2.08 Failed ⁵	Ratio: 3.87 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.81 AA 18pt ²
Hex(ED7C56)	Ratio: 2.93 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(FF966F)	Ratio: 3.78 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(FFB289)	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 1.74 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(FFCEA3)	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FFEBCF)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(FFFDB)	Ratio: 7.91 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 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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