

Converting Colors - WCAG Matrix

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

	Hex(CE2500)	Hex(FFFFFF3)	Hex(FF6337)	Hex(FF8050)	Hex(FF9D69)	Hex(FFB983)	Hex(FFD69E)	Hex(FFF4BA)	Hex(FFFFD6)
Hex(CE2500)		Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 1.82 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴
Hex(FFFFFF3)	Ratio: 5.36 AA ¹ AAA 18pt ⁴		Ratio: 2.94 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF6337)	Ratio: 1.82 Failed ⁵	Ratio: 2.94 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(FF8050)	Ratio: 2.17 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(FF9D69)	Ratio: 2.64 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FFB983)	Ratio: 3.22 AA 18pt ²	Ratio: 1.67 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(FFD69E)	Ratio: 3.95 AA 18pt ²	Ratio: 1.36 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(FFF4BA)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFFD6)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.09 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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