

Converting Colors - WCAG Matrix

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

	Hex(BE2100)	Hex(FFFFFF)	Hex(FF5E35)	Hex(FF7A4D)	Hex(FF9767)	Hex(FFB381)	Hex(FFD09B)	Hex(FFEDB6)	Hex(FFFFD2)
Hex(BE2100)		Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.33 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.11 AA ¹ AAA 18pt ⁴		Ratio: 3.01 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF5E35)	Ratio: 2.03 Failed ⁵	Ratio: 3.01 AA 18pt ²		Ratio: 1.18 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(FF7A4D)	Ratio: 2.39 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(FF9767)	Ratio: 2.90 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(FFB381)	Ratio: 3.53 AA 18pt ²	Ratio: 1.73 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(FFD09B)	Ratio: 4.33 AA 18pt ²	Ratio: 1.41 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(FFEDB6)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(FFFFD2)	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.14 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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