

Converting Colors - WCAG Matrix

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

	Hex(994A2B)	Hex(FFFFFF)	Hex(D47C5A)	Hex(F29773)	Hex(FFB28C)	Hex(FFCEA7)	Hex(FFEAC2)	Hex(FFFDE)	Hex(FFFFFB)
Hex(994A2B)		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 3.07 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(D47C5A)	Ratio: 2.03 Failed ⁵	Ratio: 3.07 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.07 AA 18pt ²
Hex(F29773)	Ratio: 2.81 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(FFB28C)	Ratio: 3.56 AA 18pt ²	Ratio: 1.75 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(FFCEA7)	Ratio: 4.35 AA 18pt ²	Ratio: 1.43 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFEAC2)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(FFFDE)	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFB)	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 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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