

Converting Colors - WCAG Matrix

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

	Hex(901422)	Hex(FFFFFF)	Hex(CC4F4E)	Hex(EB6A66)	Hex(FF8580)	Hex(FFA19A)	Hex(FFBDB4)	Hex(FFDAD0)	Hex(FFF7EC)
Hex(901422)		Ratio: 9.09 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶	Ratio: 8.56 Passed ⁶
Hex(FFFFFF)	Ratio: 9.09 Passed ⁶		Ratio: 4.38 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(CC4F4E)	Ratio: 2.08 Failed ⁵	Ratio: 4.38 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.12 AA 18pt ²
Hex(EB6A66)	Ratio: 2.94 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(FF8580)	Ratio: 3.86 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(FFA19A)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.94 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(FFBDB4)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 1.59 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFDAD0)	Ratio: 7.01 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF7EC)	Ratio: 8.56 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 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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