

Converting Colors - WCAG Matrix

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

	Hex(9C001B)	Hex(FFFFFF)	Hex(DA4A47)	Hex(FA665F)	Hex(FF8278)	Hex(FF9E91)	Hex(FFBAAC)	Hex(FFD7C7)	Hex(FFF4E4)
Hex(9C001B)		Ratio: 8.64 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 7.95 Passed ⁶
Hex(FFFFFF)	Ratio: 8.64 Passed ⁶		Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(DA4A47)	Ratio: 2.08 Failed ⁵	Ratio: 4.16 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.82 AA 18pt ²
Hex(FA665F)	Ratio: 2.94 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(FF8278)	Ratio: 3.59 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(FF9E91)	Ratio: 4.34 AA 18pt ²	Ratio: 1.99 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(FFBAAC)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 1.63 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFD7C7)	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 1.33 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF4E4)	Ratio: 7.95 Passed ⁶	Ratio: 1.09 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 2.71 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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