

Converting Colors - WCAG Matrix

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

	Hex(C63946)	Hex(FFFFFF)	Hex(FF7176)	Hex(FF8D90)	Hex(FFA9AA)	Hex(FFC6C6)	Hex(FFE3E2)	Hex(FFFFFFE)
Hex(C63946)		Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.93 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.25 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.15 AA ¹ AAA 18pt ⁴		Ratio: 2.67 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(FF7176)	Ratio: 1.93 Failed ⁵	Ratio: 2.67 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(FF8D90)	Ratio: 2.32 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(FFA9AA)	Ratio: 2.82 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFC6C6)	Ratio: 3.47 AA 18pt ²	Ratio: 1.48 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(FFE3E2)	Ratio: 4.25 AA 18pt ²	Ratio: 1.21 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFFFFE)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 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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