

Converting Colors - WCAG Matrix

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

	Hex(992F2E)	Hex(FFFFFF)	Hex(D5645C)	Hex(F37E75)	Hex(FF998E)	Hex(FFB5A9)	Hex(FFD1C4)	Hex(FFEEE0)	Hex(FFFFFD)
Hex(992F2E)		Ratio: 7.50 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶
Hex(FFFFFF)	Ratio: 7.50 Passed ⁶		Ratio: 3.62 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(D5645C)	Ratio: 2.07 Failed ⁵	Ratio: 3.62 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.61 AA 18pt ²
Hex(F37E75)	Ratio: 2.88 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(FF998E)	Ratio: 3.64 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(FFB5A9)	Ratio: 4.44 AA 18pt ²	Ratio: 1.69 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(FFD1C4)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 1.38 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(FFEEE0)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(FFFFFD)	Ratio: 7.49 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 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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