

Converting Colors - WCAG Matrix

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

	Hex(530000)	Hex(FFF1E1)	Hex(8B362F)	Hex(A74F46)	Hex(C4685D)	Hex(E28276)	Hex(FF9D90)	Hex(FFB9AA)	Hex(FFD5C5)
Hex(530000)		Ratio: 13.83 Passed ⁶	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.34 Passed ⁶	Ratio: 11.39 Passed ⁶
Hex(FFF1E1)	Ratio: 13.83 Passed ⁶		Ratio: 7.10 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(8B362F)	Ratio: 1.95 Failed ⁵	Ratio: 7.10 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 5.84 AA ¹ AAA 18pt ⁴
Hex(A74F46)	Ratio: 2.81 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.05 AA 18pt ²
Hex(C4685D)	Ratio: 4.01 AA 18pt ²	Ratio: 3.45 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(E28276)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 2.46 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(FF9D90)	Ratio: 7.66 Passed ⁶	Ratio: 1.81 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFB9AA)	Ratio: 9.34 Passed ⁶	Ratio: 1.48 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFD5C5)	Ratio: 11.39 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.49 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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