

Converting Colors - WCAG Matrix

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

	Hex(660A00)	Hex(82261A)	Hex(A1402E)	Hex(BD5945)	Hex(DB735C)	Hex(FA8F75)	Hex(FFAB8F)	Hex(FFC4AB)	Hex(FFE3C7)	Hex(FFFE3)
Hex(660A00)		Ratio: 1.39 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 8.54 Passed ⁶	Ratio: 10.61 Passed ⁶	Ratio: 12.85 Passed ⁶
Hex(82261A)	Ratio: 1.39 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 9.22 Passed ⁶
Hex(A1402E)	Ratio: 2.04 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴
Hex(BD5945)	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.42 AA 18pt ²
Hex(DB735C)	Ratio: 4.12 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(FA8F75)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(FFAB8F)	Ratio: 7.13 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(FFC4AB)	Ratio: 8.54 Passed ⁶	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFE3C7)	Ratio: 10.61 Passed ⁶	Ratio: 7.61 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFE3)	Ratio: 12.85 Passed ⁶	Ratio: 9.22 Passed ⁶	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 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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