

Converting Colors - WCAG Matrix

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

	Hex(FFA77A)	Hex(DF8C61)	Hex(C27248)	Hex(A45931)	Hex(88411A)	Hex(6B2902)	Hex(501200)	Hex(350000)	Hex(290001)
Hex(FFA77A)		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 10.07 Passed ⁶
Hex(DF8C61)	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 7.36 Passed ⁶
Hex(C27248)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴
Hex(A45931)	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(88411A)	Ratio: 3.91 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(6B2902)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(501200)	Ratio: 7.72 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(350000)	Ratio: 9.57 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(290001)	Ratio: 10.07 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.05 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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