

Converting Colors - WCAG Matrix

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

	Hex(FFA98E)	Hex(E18E74)	Hex(C3745C)	Hex(A65B44)	Hex(8A432D)	Hex(6E2B18)	Hex(531300)	Hex(380000)	Hex(1D0001)	Hex(000000)
Hex(FFA98E)		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 10.75 Passed ⁶	Ratio: 11.32 Passed ⁶
Hex(E18E74)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶	Ratio: 7.91 Passed ⁶	Ratio: 8.32 Passed ⁶
Hex(C3745C)	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 5.97 AA ¹ AAA 18pt ⁴
Hex(A65B44)	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 4.20 AA 18pt ²
Hex(8A432D)	Ratio: 3.87 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(6E2B18)	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(531300)	Ratio: 7.75 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(380000)	Ratio: 9.69 Passed ⁶	Ratio: 7.12 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(1D0001)	Ratio: 10.75 Passed ⁶	Ratio: 7.91 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 11.32 Passed ⁶	Ratio: 8.32 Passed ⁶	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 4.20 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.17 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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