

Converting Colors - WCAG Matrix

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

	Hex(B7AAA4)	Hex(9C9089)	Hex(827670)	Hex(695D58)	Hex(514640)	Hex(3A302A)	Hex(241B16)	Hex(0C0000)	Hex(000000)
Hex(B7AAA4)		Ratio: 1.37 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 9.30 Passed ⁶
Hex(9C9089)	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴
Hex(827670)	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(695D58)	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.31 AA 18pt ²
Hex(514640)	Ratio: 4.04 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(3A302A)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(241B16)	Ratio: 7.48 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(0C0000)	Ratio: 9.16 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 9.30 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.02 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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