

Converting Colors - WCAG Matrix

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

Hex(817575) Hex(A89696) Hex(817B75) Hex(403939) Hex(7F0000) Hex(000000)

	Hex(817575)	Hex(A89696)	Hex(817B75)	Hex(403939)	Hex(7F0000)	Hex(000000)
Hex(817575)		Ratio: 1.58 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 4.73 AA ¹ AAA 18pt ⁴
Hex(A89696)	Ratio: 1.58 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 7.47 Passed ⁶
Hex(817B75)	Ratio: 1.06 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 2.70 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(403939)	Ratio: 2.54 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 2.70 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(7F0000)	Ratio: 2.49 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.90 Failed ⁵
Hex(000000)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 1.86 Failed ⁵	Ratio: 1.90 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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