

Converting Colors - WCAG Matrix

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

Hex(89727B) Hex(B38F9D) Hex(878972) Hex(453E41) Hex(850034) Hex(050002)

Hex(89727B)		Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 4.72 AA ¹ AAA 18pt ⁴
Hex(B38F9D)	Ratio: 1.54 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 7.28 Passed ⁶
Hex(878972)	Ratio: 1.23 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 2.90 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 5.81 AA ¹ AAA 18pt ⁴
Hex(453E41)	Ratio: 2.36 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 2.90 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(850034)	Ratio: 2.32 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 2.03 Failed ⁵
Hex(050002)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵	Ratio: 2.03 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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