

Converting Colors - WCAG Matrix

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

Hex(8B8185) Hex(B5A5AB) Hex(818A8B) Hex(453E41) Hex(850035) Hex(050002)

	Hex(8B8185)	Hex(B5A5AB)	Hex(818A8B)	Hex(453E41)	Hex(850035)	Hex(050002)
Hex(8B8185)		Ratio: 1.60 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 5.54 AA ¹ AAA 18pt ⁴
Hex(B5A5AB)	Ratio: 1.60 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 4.43 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 8.87 Passed ⁶
Hex(818A8B)	Ratio: 1.07 Failed ⁵	Ratio: 1.50 Failed ⁵		Ratio: 2.94 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(453E41)	Ratio: 2.76 Failed ⁵	Ratio: 4.43 AA 18pt ²	Ratio: 2.94 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(850035)	Ratio: 2.72 Failed ⁵	Ratio: 4.36 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 2.03 Failed ⁵
Hex(050002)	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 8.87 Passed ⁶	Ratio: 5.90 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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