

Converting Colors - WCAG Matrix

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

Hex(8C788C) Hex(B596B5) Hex(828C78) Hex(453E45) Hex(850085) Hex(050005)

	Hex(8C788C)	Hex(B596B5)	Hex(828C78)	Hex(453E45)	Hex(850085)	Hex(050005)
Hex(8C788C)		Ratio: 1.54 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 5.14 AA ¹ AAA 18pt ⁴
Hex(B596B5)	Ratio: 1.54 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 3.42 AA 18pt ²	Ratio: 7.93 Passed ⁶
Hex(828C78)	Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 2.94 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 5.92 AA ¹ AAA 18pt ⁴
Hex(453E45)	Ratio: 2.55 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.94 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(850085)	Ratio: 2.22 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 2.32 Failed ⁵
Hex(050005)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 7.93 Passed ⁶	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.32 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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