

Converting Colors - WCAG Matrix

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

Hex(8C0033) Hex(B50042) Hex(00798C) Hex(453E40) Hex(850030) Hex(050002)

	Hex(8C0033)	Hex(B50042)	Hex(00798C)	Hex(453E40)	Hex(850030)	Hex(050002)
Hex(8C0033)		Ratio: 1.41 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(B50042)	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(00798C)	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 2.04 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 4.08 AA 18pt ²
Hex(453E40)	Ratio: 1.07 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 2.04 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(850030)	Ratio: 1.06 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 2.03 Failed ⁵
Hex(050002)	Ratio: 2.15 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 4.08 AA 18pt ²	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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