

Converting Colors - WCAG Matrix

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

Hex(4D798B) Hex(5399B5) Hex(4D5A8B) Hex(3E4345) Hex(005E85) Hex(000405)

	Hex(4D798B)	Hex(5399B5)	Hex(4D5A8B)	Hex(3E4345)	Hex(005E85)	Hex(000405)
Hex(4D798B)		Ratio: 1.49 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 4.34 AA 18pt ²
Hex(5399B5)	Ratio: 1.49 Failed ⁵		Ratio: 2.09 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 6.46 AA ¹ AAA 18pt ⁴
Hex(4D5A8B)	Ratio: 1.40 Failed ⁵	Ratio: 2.09 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(3E4345)	Ratio: 2.11 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 1.50 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(005E85)	Ratio: 1.50 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 2.88 Failed ⁵
Hex(000405)	Ratio: 4.34 AA 18pt ²	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 3.09 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 2.88 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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