

Converting Colors - WCAG Matrix

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

Hex(4D719A) Hex(5189C9) Hex(4E4D9A) Hex(45484D) Hex(00428C) Hex(00060D)

	Hex(4D719A)	Hex(5189C9)	Hex(4E4D9A)	Hex(45484D)	Hex(00428C)	Hex(00060D)
Hex(4D719A)		Ratio: 1.39 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 4.02 AA 18pt ²
Hex(5189C9)	Ratio: 1.39 Failed ⁵		Ratio: 2.02 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 5.59 AA ¹ AAA 18pt ⁴
Hex(4E4D9A)	Ratio: 1.45 Failed ⁵	Ratio: 2.02 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(45484D)	Ratio: 1.81 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(00428C)	Ratio: 1.92 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 2.09 Failed ⁵
Hex(00060D)	Ratio: 4.02 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 2.76 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.09 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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