

Converting Colors - WCAG Matrix

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

Hex(45A4B0) Hex(3ED2E5) Hex(4570B0) Hex(505859) Hex(008799) Hex(00171A)

	Hex(45A4B0)	Hex(3ED2E5)	Hex(4570B0)	Hex(505859)	Hex(008799)	Hex(00171A)
Hex(45A4B0)		Ratio: 1.61 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 6.32 AA ¹ AAA 18pt ⁴
Hex(3ED2E5)	Ratio: 1.61 Failed ⁵		Ratio: 2.75 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 10.16 Passed ⁶
Hex(4570B0)	Ratio: 1.71 Failed ⁵	Ratio: 2.75 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 3.69 AA 18pt ²
Hex(505859)	Ratio: 2.50 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 1.46 Failed ⁵		Ratio: 1.71 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(008799)	Ratio: 1.46 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.71 Failed ⁵		Ratio: 4.33 AA 18pt ²
Hex(00171A)	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 10.16 Passed ⁶	Ratio: 3.69 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 4.33 AA 18pt ²	

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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