

Converting Colors - WCAG Matrix

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

Hex(46A1B9) Hex(3CCAF0) Hex(4668B9) Hex(535A5C) Hex(007B9C) Hex(00161C)

	Hex(46A1B9)	Hex(3CCAF0)	Hex(4668B9)	Hex(535A5C)	Hex(007B9C)	Hex(00161C)
Hex(46A1B9)		Ratio: 1.54 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 6.24 AA ¹ AAA 18pt ⁴
Hex(3CCAF0)	Ratio: 1.54 Failed ⁵		Ratio: 2.77 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 9.63 Passed ⁶
Hex(4668B9)	Ratio: 1.79 Failed ⁵	Ratio: 2.77 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(535A5C)	Ratio: 2.36 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 1.32 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(007B9C)	Ratio: 1.64 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 3.81 AA 18pt ²
Hex(00161C)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 9.63 Passed ⁶	Ratio: 3.48 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 3.81 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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