

Converting Colors - WCAG Matrix

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

Hex(6EA9B8) Hex(7DD9F0) Hex(6E84B8) Hex(535A5C) Hex(007C9C) Hex(00161C)

	Hex(6EA9B8)	Hex(7DD9F0)	Hex(6E84B8)	Hex(535A5C)	Hex(007C9C)	Hex(00161C)
Hex(6EA9B8)		Ratio: 1.63 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 7.10 Passed ⁶
Hex(7DD9F0)	Ratio: 1.63 Failed ⁵		Ratio: 2.31 Failed ⁵	Ratio: 4.37 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 11.54 Passed ⁶
Hex(6E84B8)	Ratio: 1.42 Failed ⁵	Ratio: 2.31 Failed ⁵		Ratio: 1.89 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 5.00 AA ¹ AAA 18pt ⁴
Hex(535A5C)	Ratio: 2.69 Failed ⁵	Ratio: 4.37 AA 18pt ²	Ratio: 1.89 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(007C9C)	Ratio: 1.84 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 3.86 AA 18pt ²
Hex(00161C)	Ratio: 7.10 Passed ⁶	Ratio: 11.54 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 2.64 Failed ⁵	Ratio: 3.86 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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