

Converting Colors - WCAG Matrix

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

Hex(259EB4) Hex(0CC8EB) Hex(2557B4) Hex(505859) Hex(008199) Hex(00161A)

	Hex(259EB4)	Hex(0CC8EB)	Hex(2557B4)	Hex(505859)	Hex(008199)	Hex(00161A)
Hex(259EB4)		Ratio: 1.58 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 5.87 AA ¹ AAA 18pt ⁴
Hex(0CC8EB)	Ratio: 1.58 Failed ⁵		Ratio: 3.38 AA 18pt ²	Ratio: 3.64 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 9.27 Passed ⁶
Hex(2557B4)	Ratio: 2.14 Failed ⁵	Ratio: 3.38 AA 18pt ²		Ratio: 1.08 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(505859)	Ratio: 2.30 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 1.08 Failed ⁵		Ratio: 1.60 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(008199)	Ratio: 1.44 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.60 Failed ⁵		Ratio: 4.07 AA 18pt ²
Hex(00161A)	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 9.27 Passed ⁶	Ratio: 2.75 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 4.07 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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