

Converting Colors - WCAG Matrix

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

Hex(76B1B4) Hex(8AE6EB) Hex(7693B4) Hex(505959) Hex(009299) Hex(00181A)

	Hex(76B1B4)	Hex(8AE6EB)	Hex(7693B4)	Hex(505959)	Hex(009299)	Hex(00181A)
Hex(76B1B4)		Ratio: 1.67 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 7.61 Passed ⁶
Hex(8AE6EB)	Ratio: 1.67 Failed ⁵		Ratio: 2.21 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 2.62 Failed ⁵	Ratio: 12.74 Passed ⁶
Hex(7693B4)	Ratio: 1.32 Failed ⁵	Ratio: 2.21 Failed ⁵		Ratio: 2.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(505959)	Ratio: 2.99 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 2.27 Failed ⁵		Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(009299)	Ratio: 1.56 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.91 Failed ⁵		Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(00181A)	Ratio: 7.61 Passed ⁶	Ratio: 12.74 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 2.54 Failed ⁵	Ratio: 4.86 AA ¹ AAA 18pt ⁴	

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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