

Converting Colors - WCAG Matrix

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

Hex(48F1F1) Hex(29FFFF) Hex(489CF1) Hex(6C7878) Hex(00B8B8) Hex(003838)

	Hex(48F1F1)	Hex(29FFFF)	Hex(489CF1)	Hex(6C7878)	Hex(00B8B8)	Hex(003838)
Hex(48F1F1)		Ratio: 1.11 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 1.77 Failed ⁵	Ratio: 9.32 Passed ⁶
Hex(29FFFF)	Ratio: 1.11 Failed ⁵		Ratio: 2.31 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 1.97 Failed ⁵	Ratio: 10.38 Passed ⁶
Hex(489CF1)	Ratio: 2.07 Failed ⁵	Ratio: 2.31 Failed ⁵		Ratio: 1.59 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(6C7878)	Ratio: 3.29 AA 18pt ²	Ratio: 3.67 AA 18pt ²	Ratio: 1.59 Failed ⁵		Ratio: 1.86 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(00B8B8)	Ratio: 1.77 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.86 Failed ⁵		Ratio: 5.27 AA ¹ AAA 18pt ⁴
Hex(003838)	Ratio: 9.32 Passed ⁶	Ratio: 10.38 Passed ⁶	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 2.83 Failed ⁵	Ratio: 5.27 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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