

Converting Colors - WCAG Matrix

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

Hex(40E0E1) Hex(24FEFF) Hex(4091E1) Hex(657070) Hex(00AFB0) Hex(003030)

	Hex(40E0E1)	Hex(24FEFF)	Hex(4091E1)	Hex(657070)	Hex(00AFB0)	Hex(003030)
Hex(40E0E1)		Ratio: 1.29 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 1.67 Failed ⁵	Ratio: 8.85 Passed ⁶
Hex(24FEFF)	Ratio: 1.29 Failed ⁵		Ratio: 2.63 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 11.39 Passed ⁶
Hex(4091E1)	Ratio: 2.04 Failed ⁵	Ratio: 2.63 Failed ⁵		Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 4.34 AA 18pt ²
Hex(657070)	Ratio: 3.16 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 1.55 Failed ⁵		Ratio: 1.89 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(00AFB0)	Ratio: 1.67 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.89 Failed ⁵		Ratio: 5.29 AA ¹ AAA 18pt ⁴
Hex(003030)	Ratio: 8.85 Passed ⁶	Ratio: 11.39 Passed ⁶	Ratio: 4.34 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 5.29 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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