

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(545E5F) Hex(6A7A7A) Hex(54595F) Hex(2C3030) Hex(006A70) Hex(00E3F0)

Hex(545E5F)		Ratio: 1.49 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 4.21 AA 18pt ²
Hex(6A7A7A)	Ratio: 1.49 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(54595F)	Ratio: 1.06 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 1.89 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 4.46 AA 18pt ²
Hex(2C3030)	Ratio: 2.00 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 1.89 Failed ⁵		Ratio: 2.10 Failed ⁵	Ratio: 8.42 Passed ⁶
Hex(006A70)	Ratio: 1.05 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 2.10 Failed ⁵		Ratio: 4.02 AA 18pt ²
Hex(00E3F0)	Ratio: 4.21 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 4.46 AA 18pt ²	Ratio: 8.42 Passed ⁶	Ratio: 4.02 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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