

Converting Colors - WCAG Matrix

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

Hex(646666) Hex(828584) Hex(646566) Hex(323333) Hex(00736B) Hex(00F2E2)

Hex(646666)		Ratio: 1.55 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(828584)	Ratio: 1.55 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 1.54 Failed ⁵
Hex(646566)	Ratio: 1.01 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 2.17 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(323333)	Ratio: 2.19 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 2.17 Failed ⁵		Ratio: 2.21 Failed ⁵
Hex(00736B)	Ratio: 1.01 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 2.21 Failed ⁵	
Hex(00F2E2)	Ratio: 4.07 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 8.93 Passed ⁶	Ratio: 4.04 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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