

Converting Colors - WCAG Matrix

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

Hex(138188) Hex(00A5B0) Hex(134888) Hex(3E4445) Hex(007D85) Hex(000505)

Hex(138188)		Ratio: 1.55 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 4.42 AA 18pt ²
Hex(00A5B0)	Ratio: 1.55 Failed ⁵		Ratio: 3.03 AA 18pt ²	Ratio: 3.31 AA 18pt ²	Ratio: 1.64 Failed ⁵	Ratio: 6.85 AA ¹ AAA 18pt ⁴
Hex(134888)	Ratio: 1.96 Failed ⁵	Ratio: 3.03 AA 18pt ²		Ratio: 1.09 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(3E4445)	Ratio: 2.14 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 1.09 Failed ⁵		Ratio: 2.02 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(007D85)	Ratio: 1.06 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.02 Failed ⁵		Ratio: 4.17 AA 18pt ²
Hex(000505)	Ratio: 4.42 AA 18pt ²	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 2.26 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 4.17 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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