

Converting Colors - WCAG Matrix

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

	Hex(31808E)	Hex(086774)	Hex(004F5C)	Hex(003744)	Hex(00222E)	Hex(00011A)	Hex(000000)
Hex(31808E)		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(086774)	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.20 AA 18pt ²
Hex(004F5C)	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(003744)	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(00222E)	Ratio: 3.63 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(00011A)	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.02 Failed ⁵	

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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