

Converting Colors - WCAG Matrix

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

	Hex(4696AA)	Hex(267C8F)	Hex(006376)	Hex(004B5D)	Hex(003445)	Hex(001F2F)	Hex(00011B)	Hex(000000)
Hex(4696AA)		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴
Hex(267C8F)	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.28 AA 18pt ²	Ratio: 4.36 AA 18pt ²
Hex(006376)	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.05 AA 18pt ²
Hex(004B5D)	Ratio: 2.87 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(003445)	Ratio: 3.93 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(001F2F)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(00011B)	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.24 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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