

Converting Colors - WCAG Matrix

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

	Hex(0096A3)	Hex(007D8A)	Hex(006370)	Hex(004A57)	Hex(003340)	Hex(002129)	Hex(000014)	Hex(000000)
Hex(0096A3)		Ratio: 1.37 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 5.89 AA ¹ AAA 18pt ⁴
Hex(007D8A)	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.26 AA 18pt ²	Ratio: 4.30 AA 18pt ²
Hex(006370)	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(004A57)	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(003340)	Ratio: 3.81 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(002129)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(000014)	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.01 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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