

Converting Colors - WCAG Matrix

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

	Hex(2E8C9E)	Hex(007385)	Hex(00596B)	Hex(004252)	Hex(002B3B)	Hex(001726)	Hex(00000F)	Hex(000000)
Hex(2E8C9E)		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴
Hex(007385)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.77 AA 18pt ²	Ratio: 3.79 AA 18pt ²
Hex(00596B)	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(004252)	Ratio: 2.82 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(002B3B)	Ratio: 3.81 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(001726)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(00000F)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 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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