

Converting Colors - WCAG Matrix

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

Hex(002731) Hex(003240) Hex(000F31) Hex(17191A) Hex(004659) Hex(00AAD9)

	Hex(002731)	Hex(003240)	Hex(000F31)	Hex(17191A)	Hex(004659)	Hex(00AAD9)
Hex(002731)		Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 5.81 AA ¹ AAA 18pt ⁴
Hex(003240)	Ratio: 1.15 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 5.07 AA ¹ AAA 18pt ⁴
Hex(000F31)	Ratio: 1.20 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 6.97 AA ¹ AAA 18pt ⁴
Hex(17191A)	Ratio: 1.12 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.70 Failed ⁵	Ratio: 6.51 AA ¹ AAA 18pt ⁴
Hex(004659)	Ratio: 1.51 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.70 Failed ⁵		Ratio: 3.84 AA 18pt ²
Hex(00AAD9)	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 3.84 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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