

Converting Colors - WCAG Matrix

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

	Hex(27B9C4)	Hex(009EA9)	Hex(00838E)	Hex(006A75)	Hex(00515C)	Hex(003945)	Hex(00252E)	Hex(00011A)	Hex(000000)
Hex(27B9C4)		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 8.66 Passed ⁶	Ratio: 8.82 Passed ⁶
Hex(009EA9)	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴
Hex(00838E)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(006A75)	Ratio: 2.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.32 AA 18pt ²
Hex(00515C)	Ratio: 3.78 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(003945)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(00252E)	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(00011A)	Ratio: 8.66 Passed ⁶	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 8.82 Passed ⁶	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.30 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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