

Converting Colors - WCAG Matrix

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

	Hex(009CA6)	Hex(00818B)	Hex(006872)	Hex(004F59)	Hex(003842)	Hex(00232C)	Hex(000118)	Hex(000000)
Hex(009CA6)		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴
Hex(00818B)	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.43 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(006872)	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.22 AA 18pt ²
Hex(004F59)	Ratio: 2.79 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(003842)	Ratio: 3.83 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(00232C)	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(000118)	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.28 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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