

Converting Colors - WCAG Matrix

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

	Hex(2893C7)	Hex(0079AB)	Hex(006191)	Hex(004977)	Hex(00335E)	Hex(001E46)	Hex(00042F)	Hex(00011A)	Hex(000000)
Hex(2893C7)		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(0079AB)	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.08 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 4.32 AA 18pt ²
Hex(006191)	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.12 AA 18pt ²
Hex(004977)	Ratio: 2.74 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(00335E)	Ratio: 3.72 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(001E46)	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(00042F)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00011A)	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.06 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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