

Converting Colors - WCAG Matrix

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

	Hex(00AFDF)	Hex(0094C3)	Hex(007AA8)	Hex(00618D)	Hex(004A73)	Hex(00335A)	Hex(001F43)	Hex(00032C)	Hex(000117)	Hex(000000)
Hex(00AFDF)		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 7.81 Passed ⁶	Ratio: 8.06 Passed ⁶	Ratio: 8.20 Passed ⁶
Hex(0094C3)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 6.02 AA ¹ AAA 18pt ⁴
Hex(007AA8)	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.28 AA 18pt ²	Ratio: 4.35 AA 18pt ²
Hex(00618D)	Ratio: 2.65 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.09 AA 18pt ²
Hex(004A73)	Ratio: 3.68 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(00335A)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(001F43)	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(00032C)	Ratio: 7.81 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000117)	Ratio: 8.06 Passed ⁶	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 8.20 Passed ⁶	Ratio: 6.02 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.05 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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