

Converting Colors - WCAG Matrix

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

	Hex(00A2CF)	Hex(0087B3)	Hex(006E98)	Hex(00567E)	Hex(003E65)	Hex(00284D)	Hex(001036)	Hex(000220)	Hex(000003)	Hex(000000)
Hex(00A2CF)		Ratio: 1.38 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 7.07 Passed ⁶
Hex(0087B3)	Ratio: 1.38 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 5.12 AA ¹ AAA 18pt ⁴
Hex(006E98)	Ratio: 1.92 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 3.68 AA 18pt ²
Hex(00567E)	Ratio: 2.69 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(003E65)	Ratio: 3.77 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(00284D)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(001036)	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(000220)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(000003)	Ratio: 7.06 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 7.07 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.00 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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