

Converting Colors - WCAG Matrix

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

	Hex(77C5FB)	Hex(59AADE)	Hex(388FC2)	Hex(0076A7)	Hex(005D8C)	Hex(004673)	Hex(00305A)	Hex(001C42)	Hex(00032C)	Hex(000116)
Hex(77C5FB)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 8.97 Passed ⁶	Ratio: 10.64 Passed ⁶	Ratio: 10.99 Passed ⁶
Hex(59AADE)	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 7.84 Passed ⁶	Ratio: 8.10 Passed ⁶
Hex(388FC2)	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(0076A7)	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(005D8C)	Ratio: 3.79 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(004673)	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(00305A)	Ratio: 7.11 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(001C42)	Ratio: 8.97 Passed ⁶	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(00032C)	Ratio: 10.64 Passed ⁶	Ratio: 7.84 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000116)	Ratio: 10.99 Passed ⁶	Ratio: 8.10 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.03 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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