

Converting Colors - WCAG Matrix

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

	Hex(B0C7E9)	Hex(95ACCD)	Hex(7A91B1)	Hex(617897)	Hex(485F7D)	Hex(2F4764)	Hex(16314C)	Hex(001C35)	Hex(000220)	Hex(000004)
Hex(B0C7E9)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 11.84 Passed ⁶	Ratio: 12.17 Passed ⁶
Hex(95ACCD)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 8.80 Passed ⁶	Ratio: 9.04 Passed ⁶
Hex(7A91B1)	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(617897)	Ratio: 2.63 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(485F7D)	Ratio: 3.80 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.20 AA 18pt ²
Hex(2F4764)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(16314C)	Ratio: 7.73 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(001C35)	Ratio: 10.01 Passed ⁶	Ratio: 7.44 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(000220)	Ratio: 11.84 Passed ⁶	Ratio: 8.80 Passed ⁶	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.12 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000004)	Ratio: 12.17 Passed ⁶	Ratio: 9.04 Passed ⁶	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 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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