

Converting Colors - WCAG Matrix

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

	Hex(B1C8EA)	Hex(96ADCE)	Hex(7B92B2)	Hex(627998)	Hex(49607E)	Hex(304865)	Hex(17324D)	Hex(001D36)	Hex(000221)
Hex(B1C8EA)		Ratio: 1.34 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 11.95 Passed ⁶
Hex(96ADCE)	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 8.89 Passed ⁶
Hex(7B92B2)	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴
Hex(627998)	Ratio: 2.62 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: 3.83 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(49607E)	Ratio: 3.78 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.16 AA 18pt ²
Hex(304865)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(17324D)	Ratio: 7.70 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(001D36)	Ratio: 10.02 Passed ⁶	Ratio: 7.46 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(000221)	Ratio: 11.95 Passed ⁶	Ratio: 8.89 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 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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