

Converting Colors - WCAG Matrix

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

	Hex(0C0621)	Hex(ECE7FF)	Hex(36344D)	Hex(4D4A65)	Hex(66627E)	Hex(7F7B98)	Hex(9995B3)	Hex(B4AFCF)	Hex(CFCBEB)
Hex(0C0621)		Ratio: 16.40 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 9.38 Passed ⁶	Ratio: 12.59 Passed ⁶
Hex(ECE7FF)	Ratio: 16.40 Passed ⁶		Ratio: 9.94 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(36344D)	Ratio: 1.65 Failed ⁵	Ratio: 9.94 Passed ⁶		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ² AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶
Hex(4D4A65)	Ratio: 2.33 Failed ⁵	Ratio: 7.02 Passed ⁶	Ratio: 1.41 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴
Hex(66627E)	Ratio: 3.40 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.71 AA 18pt ²
Hex(7F7B98)	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(9995B3)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 2.39 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(B4AFCF)	Ratio: 9.38 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(CFCBEB)	Ratio: 12.59 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.63 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 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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