

Converting Colors - WCAG Matrix

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

	Hex(05051C)	Hex(1C1F30)	Hex(333347)	Hex(4A4A5E)	Hex(616178)	Hex(7A7A91)	Hex(9494AB)	Hex(ADB0C7)	Hex(C9C9E3)	Hex(E6E6FF)
Hex(05051C)		Ratio: 1.23 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 9.39 Passed ⁶	Ratio: 12.39 Passed ⁶	Ratio: 16.39 Passed ⁶
Hex(1C1F30)	Ratio: 1.23 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 13.30 Passed ⁶
Hex(333347)	Ratio: 1.63 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 10.04 Passed ⁶
Hex(4A4A5E)	Ratio: 2.33 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶
Hex(616178)	Ratio: 3.34 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(7A7A91)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.41 AA 18pt ²
Hex(9494AB)	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(ADB0C7)	Ratio: 9.39 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(C9C9E3)	Ratio: 12.39 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E6E6FF)	Ratio: 16.39 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 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.

This PDF was generated on convertingcolors.com.