

Converting Colors - WCAG Matrix

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

	Hex(C1CBF4)	Hex(A6B0D8)	Hex(8B95BC)	Hex(717BA1)	Hex(586286)	Hex(3F4B6D)	Hex(273455)	Hex(0F1F3D)	Hex(000627)	Hex(000111)
Hex(C1CBF4)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 12.43 Passed ⁶	Ratio: 12.96 Passed ⁶
Hex(A6B0D8)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 9.70 Passed ⁶
Hex(8B95BC)	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶
Hex(717BA1)	Ratio: 2.60 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(586286)	Ratio: 3.74 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.46 AA 18pt ²
Hex(3F4B6D)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(273455)	Ratio: 7.68 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(0F1F3D)	Ratio: 10.22 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(000627)	Ratio: 12.43 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000111)	Ratio: 12.96 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.04 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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