

Converting Colors - WCAG Matrix

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

	Hex(0C0C53)	Hex(FFE0FF)	Hex(463786)	Hex(604EA0)	Hex(7B66BB)	Hex(967FD7)	Hex(B299F4)	Hex(CEB4FF)	Hex(EBD0FF)
Hex(0C0C53)		Ratio: 15.67 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 9.72 Passed ⁶	Ratio: 12.57 Passed ⁶
Hex(FFE0FF)	Ratio: 15.67 Passed ⁶		Ratio: 8.69 Passed ⁶	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(463786)	Ratio: 1.80 Failed ⁵	Ratio: 8.69 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴
Hex(604EA0)	Ratio: 2.59 Failed ⁵	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(7B66BB)	Ratio: 3.74 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(967FD7)	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 2.96 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(B299F4)	Ratio: 7.34 Passed ⁶	Ratio: 2.14 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(CEB4FF)	Ratio: 9.72 Passed ⁶	Ratio: 1.61 Failed ⁵	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(EBD0FF)	Ratio: 12.57 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 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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