

Converting Colors - WCAG Matrix

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

	Hex(300001)	Hex(FFCFE3)	Hex(601A31)	Hex(7B3247)	Hex(964B5F)	Hex(B26477)	Hex(CE7E91)	Hex(EB98AC)	Hex(FFB3C7)
Hex(300001)		Ratio: 13.57 Passed ⁶	Ratio: 1.50 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 8.54 Passed ⁶	Ratio: 11.12 Passed ⁶
Hex(FFCFE3)	Ratio: 13.57 Passed ⁶		Ratio: 9.05 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(601A31)	Ratio: 1.50 Failed ⁵	Ratio: 9.05 Passed ⁶		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ² AAA 18pt ⁴	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶
Hex(7B3247)	Ratio: 2.12 Failed ⁵	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴
Hex(964B5F)	Ratio: 3.08 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.61 AA 18pt ²
Hex(B26477)	Ratio: 4.42 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(CE7E91)	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 2.18 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(EB98AC)	Ratio: 8.54 Passed ⁶	Ratio: 1.59 Failed ⁵	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(FFB3C7)	Ratio: 11.12 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 7.41 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.30 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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