

Converting Colors - WCAG Matrix

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

	Hex(48083D)	Hex(FFE8FF)	Hex(7C3B6C)	Hex(965486)	Hex(B26DA0)	Hex(CE87BB)	Hex(EAA2D7)	Hex(FFBDF3)	Hex(FFDAFF)
Hex(48083D)		Ratio: 13.24 Passed ⁶	Ratio: 1.96 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 12.14 Passed ⁶
Hex(FFE8FF)	Ratio: 13.24 Passed ⁶		Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(7C3B6C)	Ratio: 1.96 Failed ⁵	Ratio: 6.76 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴
Hex(965486)	Ratio: 2.84 Failed ⁵	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(B26DA0)	Ratio: 4.06 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(CE87BB)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 2.34 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(EAA2D7)	Ratio: 7.73 Passed ⁶	Ratio: 1.71 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(FFBDF3)	Ratio: 10.04 Passed ⁶	Ratio: 1.32 Failed ⁵	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFDAFF)	Ratio: 12.14 Passed ⁶	Ratio: 1.09 Failed ⁵	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.21 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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