

Converting Colors - WCAG Matrix

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

	Hex(66134C)	Hex(FFFFFF)	Hex(9C487D)	Hex(B86296)	Hex(D47CB1)	Hex(F197CD)	Hex(FFB2E9)	Hex(FFCEFF)	Hex(FFEBFF)
Hex(66134C)		Ratio: 11.92 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶	Ratio: 8.81 Passed ⁶	Ratio: 10.54 Passed ⁶
Hex(FFFFFF)	Ratio: 11.92 Passed ⁶		Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(9C487D)	Ratio: 2.06 Failed ⁵	Ratio: 5.77 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.27 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(B86296)	Ratio: 2.97 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.56 AA 18pt ²
Hex(D47CB1)	Ratio: 4.15 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(F197CD)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.09 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(FFB2E9)	Ratio: 7.26 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFCEFF)	Ratio: 8.81 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 4.27 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFEBFF)	Ratio: 10.54 Passed ⁶	Ratio: 1.13 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 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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