

Converting Colors - WCAG Matrix

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

	Hex(7F0D6D)	Hex(FFFFFF)	Hex(B74CA1)	Hex(D467BC)	Hex(F182D8)	Hex(FF9DF4)	Hex(FFB9FF)	Hex(FFD6FF)	Hex(FFF3FF)
Hex(7F0D6D)		Ratio: 9.63 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 8.95 Passed ⁶
Hex(FFFFFF)	Ratio: 9.63 Passed ⁶		Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(B74CA1)	Ratio: 2.09 Failed ⁵	Ratio: 4.60 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(D467BC)	Ratio: 2.96 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(F182D8)	Ratio: 4.09 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(FF9DF4)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 1.85 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFB9FF)	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 1.54 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFD6FF)	Ratio: 7.48 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF3FF)	Ratio: 8.95 Passed ⁶	Ratio: 1.08 Failed ⁵	Ratio: 4.28 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 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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