

Converting Colors - WCAG Matrix

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

	Hex(66004C)	Hex(FFFFFF)	Hex(9C3F7D)	Hex(B85997)	Hex(D573B2)	Hex(F28ECD)	Hex(FFA9E9)	Hex(FFC6FF)	Hex(FFE2FF)
Hex(66004C)		Ratio: 12.58 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 8.85 Passed ⁶	Ratio: 10.53 Passed ⁶
Hex(FFFFFF)	Ratio: 12.58 Passed ⁶		Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(9C3F7D)	Ratio: 2.05 Failed ⁵	Ratio: 6.14 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴
Hex(B85997)	Ratio: 2.94 Failed ⁵	Ratio: 4.27 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(D573B2)	Ratio: 4.15 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(F28ECD)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.20 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFA9E9)	Ratio: 7.25 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFC6FF)	Ratio: 8.85 Passed ⁶	Ratio: 1.42 Failed ⁵	Ratio: 4.32 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFE2FF)	Ratio: 10.53 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 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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