

Converting Colors - WCAG Matrix

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

Hex(7C5C9E) Hex(FFFFFF) Hex(B28FD5) Hex(CEA9F1) Hex(EAC5FF) Hex(FFE1FF) Hex(FFFEFF)

	Hex(7C5C9E)	Hex(FFFFFF)	Hex(B28FD5)	Hex(CEA9F1)	Hex(EAC5FF)	Hex(FFE1FF)	Hex(FFFEFF)
Hex(7C5C9E)		Ratio: 5.41 AA¹ AAA 18pt⁴	Ratio: 2.01 Failed⁵	Ratio: 2.72 Failed⁵	Ratio: 3.59 AA 18pt²	Ratio: 4.50 AA¹ AAA 18pt⁴	Ratio: 5.38 AA¹ AAA 18pt⁴
Hex(FFFFFF)	Ratio: 5.41 AA¹ AAA 18pt⁴		Ratio: 2.70 Failed⁵	Ratio: 1.99 Failed⁵	Ratio: 1.51 Failed⁵	Ratio: 1.20 Failed⁵	Ratio: 1.01 Failed⁵
Hex(B28FD5)	Ratio: 2.01 Failed⁵	Ratio: 2.70 Failed⁵		Ratio: 1.36 Failed⁵	Ratio: 1.79 Failed⁵	Ratio: 2.24 Failed⁵	Ratio: 2.68 Failed⁵
Hex(CEA9F1)	Ratio: 2.72 Failed⁵	Ratio: 1.99 Failed⁵	Ratio: 1.36 Failed⁵		Ratio: 1.32 Failed⁵	Ratio: 1.65 Failed⁵	Ratio: 1.97 Failed⁵
Hex(EAC5FF)	Ratio: 3.59 AA 18pt²	Ratio: 1.51 Failed⁵	Ratio: 1.79 Failed⁵	Ratio: 1.32 Failed⁵		Ratio: 1.25 Failed⁵	Ratio: 1.50 Failed⁵
Hex(FFE1FF)	Ratio: 4.50 AA¹ AAA 18pt⁴	Ratio: 1.20 Failed⁵	Ratio: 2.24 Failed⁵	Ratio: 1.65 Failed⁵	Ratio: 1.25 Failed⁵		Ratio: 1.20 Failed⁵
Hex(FFFEFF)	Ratio: 5.38 AA¹ AAA 18pt⁴	Ratio: 1.01 Failed⁵	Ratio: 2.68 Failed⁵	Ratio: 1.97 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.20 Failed⁵	

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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