

Converting Colors - WCAG Matrix

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

Hex(2318E4) Hex(FFD6FF) Hex(794FFF) Hex(9B6AFF) Hex(BB85FF) Hex(DBA0FF) Hex(FBBCFF)

	Hex(2318E4)	Hex(FFD6FF)	Hex(794FFF)	Hex(9B6AFF)	Hex(BB85FF)	Hex(DBA0FF)	Hex(FBBCFF)
Hex(2318E4)		Ratio: 7.02 Passed ⁶	Ratio: 1.88 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴
Hex(FFD6FF)	Ratio: 7.02 Passed ⁶		Ratio: 3.73 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(794FFF)	Ratio: 1.88 Failed ⁵	Ratio: 3.73 AA 18pt ²		Ratio: 1.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(9B6AFF)	Ratio: 2.54 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(BB85FF)	Ratio: 3.41 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(DBA0FF)	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 1.56 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(FBBCFF)	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 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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