

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(FFE8FF)	Hex(FFCFFF)	Hex(FFB5FF)	Hex(FF9BFF)	Hex(FF82FF)	Hex(FF69FF)	Hex(FF4FFF)	Hex(FF36FF)	Hex(FF1CFF)	Hex(FF03FF)
Hex(FFE8FF)		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(FFCFFF)	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(FFB5FF)	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(FF9BFF)	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(FF82FF)	Ratio: 1.84 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FF69FF)	Ratio: 2.09 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(FF4FFF)	Ratio: 2.33 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(FF36FF)	Ratio: 2.52 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(FF1CFF)	Ratio: 2.66 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FF03FF)	Ratio: 2.72 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.02 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.