

Converting Colors - WCAG Matrix

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

	Hex(FF1AFB)	Hex(FF33FC)	Hex(FF4DFC)	Hex(FF66FC)	Hex(FF80FD)	Hex(FF99FD)	Hex(FFB3FE)	Hex(FFCCFE)	Hex(FFE5FF)	Hex(FFFFFF)
Hex(FF1AFB)		Ratio: 1.05 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(FF33FC)	Ratio: 1.05 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(FF4DFC)	Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(FF66FC)	Ratio: 1.26 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(FF80FD)	Ratio: 1.44 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(FF99FD)	Ratio: 1.65 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(FFB3FE)	Ratio: 1.93 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(FFCCFE)	Ratio: 2.26 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(FFE5FF)	Ratio: 2.64 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(FFFFFF)	Ratio: 3.09 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 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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