

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(00B5FC)	Hex(1ABDFC)	Hex(33C2FC)	Hex(4DC9FC)	Hex(66D1FC)	Hex(7DD9FC)	Hex(96E0FC)	Hex(B0E8FC)	Hex(C9EDFC)	Hex(E3F5FC)
Hex(00B5FC)		Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(1ABDFC)	Ratio: 1.08 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(33C2FC)	Ratio: 1.14 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(4DC9FC)	Ratio: 1.23 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(66D1FC)	Ratio: 1.34 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(7DD9FC)	Ratio: 1.46 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(96E0FC)	Ratio: 1.59 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(B0E8FC)	Ratio: 1.75 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(C9EDFC)	Ratio: 1.89 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(E3F5FC)	Ratio: 2.08 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.10 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.