

Converting Colors - WCAG Matrix

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

	Hex(CDF4FF)	Hex(B3EEFF)	Hex(9AE9FF)	Hex(81E3FF)	Hex(67DEFF)	Hex(4ED8FF)	Hex(34D2FF)	Hex(1ACDFF)	Hex(01C7FF)	Hex(00C7FF)
Hex(CDF4FF)		Ratio: 1.08 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(B3EEFF)	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(9AE9FF)	Ratio: 1.16 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(81E3FF)	Ratio: 1.25 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(67DEFF)	Ratio: 1.33 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(4ED8FF)	Ratio: 1.43 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(34D2FF)	Ratio: 1.52 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(1ACDFF)	Ratio: 1.60 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(01C7FF)	Ratio: 1.69 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(00C7FF)	Ratio: 1.69 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.00 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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