

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.									
	Hex(0091CC)	Hex(40ABE8)	Hex(63C7FF)	Hex(83E3FF)	Hex(A2FFFF)	Hex(C1FFFF)	Hex(E0FFFF)	Hex(FEFFFF)	Hex(FFFFFF)
Hex(0091CC)		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.21 AA 18pt ²	Ratio: 3.36 AA 18pt ²	Ratio: 3.54 AA 18pt ²	Ratio: 3.55 AA 18pt ²
Hex(40ABE8)	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(63C7FF)	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(83E3FF)	Ratio: 2.43 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(A2FFFF)	Ratio: 3.09 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(C1FFFF)	Ratio: 3.21 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(E0FFFF)	Ratio: 3.36 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(FEFFFF)	Ratio: 3.54 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(FFFFFF)	Ratio: 3.55 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 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.