

Converting Colors - WCAG Matrix

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

	Hex(117FED)	Hex(FFFFFF)	Hex(6EB3FF)	Hex(90CEFF)	Hex(AFEAFF)	Hex(CFFFFF)	Hex(EFFFFFF)
Hex(117FED)		Ratio: 3.98 AA 18pt ²	Ratio: 1.81 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.67 AA 18pt ²	Ratio: 3.86 AA 18pt ²
Hex(FFFFFF)	Ratio: 3.98 AA 18pt ²		Ratio: 2.20 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(6EB3FF)	Ratio: 1.81 Failed ⁵	Ratio: 2.20 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(90CEFF)	Ratio: 2.36 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(AFEAFF)	Ratio: 3.04 AA 18pt ²	Ratio: 1.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(CFFFFF)	Ratio: 3.67 AA 18pt ²	Ratio: 1.08 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(EFFFFFF)	Ratio: 3.86 AA 18pt ²	Ratio: 1.03 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.05 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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