

Converting Colors - WCAG Matrix

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

	Hex(E6F0FF)	Hex(CCE1FF)	Hex(B3D1FF)	Hex(99C2FF)	Hex(80B3FF)	Hex(66A4FF)	Hex(4D95FF)	Hex(3386FF)	Hex(1976FF)	Hex(0067FF)
Hex(E6F0FF)		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 4.17 AA 18pt ²
Hex(CCE1FF)	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.60 AA 18pt ²
Hex(B3D1FF)	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(99C2FF)	Ratio: 1.59 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(80B3FF)	Ratio: 1.86 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(66A4FF)	Ratio: 2.20 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(4D95FF)	Ratio: 2.59 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(3386FF)	Ratio: 3.05 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(1976FF)	Ratio: 3.60 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(0067FF)	Ratio: 4.17 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 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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