

Converting Colors - WCAG Matrix

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

	Hex(1736B8)	Hex(FFFFFF)	Hex(6666F2)	Hex(857DFF)	Hex(A399FF)	Hex(C2B3FF)	Hex(E0CFFF)	Hex(FFE0FF)
Hex(1736B8)		Ratio: 9.31 Passed ⁶	Ratio: 2.10 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 8.23 Passed ⁶
Hex(FFFFFF)	Ratio: 9.31 Passed ⁶		Ratio: 4.42 AA 18pt ²	Ratio: 3.29 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(6666F2)	Ratio: 2.10 Failed ⁵	Ratio: 4.42 AA 18pt ²		Ratio: 1.34 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.91 AA 18pt ²
Hex(857DFF)	Ratio: 2.83 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 1.34 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(A399FF)	Ratio: 3.79 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(C2B3FF)	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 1.88 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(E0CFFF)	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(FFE0FF)	Ratio: 8.23 Passed ⁶	Ratio: 1.13 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 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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