

Converting Colors - WCAG Matrix

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

	Hex(185ABF)	Hex(4473DB)	Hex(658CF8)	Hex(84A6FF)	Hex(A2C1FF)	Hex(C0DDFF)	Hex(DEF9FF)	Hex(FDFFFF)	Hex(FFFFFF)
Hex(185ABF)		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 6.45 AA ¹ AAA 18pt ⁴
Hex(4473DB)	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 4.43 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(658CF8)	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.15 AA 18pt ²
Hex(84A6FF)	Ratio: 2.73 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(A2C1FF)	Ratio: 3.57 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(C0DDFF)	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(DEF9FF)	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(FDFFFF)	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(FFFFFF)	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.10 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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