

Converting Colors - WCAG Matrix

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

	Hex(666DFC)	Hex(7F85FC)	Hex(989DFC)	Hex(B2B5FC)	Hex(CBCDFC)	Hex(E4E5FC)	Hex(FDFDFC)	Hex(FFFFFFC)
Hex(666DFC)		Ratio: 1.29 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.06 AA 18pt ²
Hex(7F85FC)	Ratio: 1.29 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.15 AA 18pt ²
Hex(989DFC)	Ratio: 1.66 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(B2B5FC)	Ratio: 2.11 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(CBCDFC)	Ratio: 2.65 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(E4E5FC)	Ratio: 3.28 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(FDFDFC)	Ratio: 4.00 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFFC)	Ratio: 4.06 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.02 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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