

Converting Colors - WCAG Matrix

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

	Hex(274EA3)	Hex(FFFFFF)	Hex(667EDB)	Hex(8398F7)	Hex(A0B3FF)	Hex(BDCEFF)	Hex(DAEAFF)	Hex(F8FFFF)
Hex(274EA3)		Ratio: 7.76 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶
Hex(FFFFFF)	Ratio: 7.76 Passed ⁶		Ratio: 3.77 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(667EDB)	Ratio: 2.06 Failed ⁵	Ratio: 3.77 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(8398F7)	Ratio: 2.88 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(A0B3FF)	Ratio: 3.84 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(BDCEFF)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.56 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(DAEAFF)	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(F8FFFF)	Ratio: 7.67 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 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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