

Converting Colors - WCAG Matrix

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

Hex(0053BA) Hex(9DFFFF) Hex(0083F3) Hex(009DFF) Hex(27B8FF) Hex(5DD3FF) Hex(84EFFF)

	Hex(0053BA)	Hex(9DFFFF)	Hex(0083F3)	Hex(009DFF)	Hex(27B8FF)	Hex(5DD3FF)	Hex(84EFFF)
Hex(0053BA)		Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 1.88 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴
Hex(9DFFFF)	Ratio: 6.17 AA ¹ AAA 18pt ⁴		Ratio: 3.28 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(0083F3)	Ratio: 1.88 Failed ⁵	Ratio: 3.28 AA 18pt ²		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(009DFF)	Ratio: 2.47 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(27B8FF)	Ratio: 3.19 AA 18pt ²	Ratio: 1.94 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(5DD3FF)	Ratio: 4.15 AA 18pt ²	Ratio: 1.49 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(84EFFF)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 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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