

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(9DF7FF) Hex(E0FCFF) Hex(9DFFA5) Hex(6E7E80) Hex(000000) Hex(808080)

| | | | | | | |
|--------------------|---|---|---|---|---|---|
| Hex(9DF7FF) | | Ratio: 1.14 Failed ⁵ | Ratio: 1.01 Failed ⁵ | Ratio: 3.46 AA 18pt ² | Ratio: 17.18 Passed ⁶ | Ratio: 3.23 AA 18pt ² |
| Hex(E0FCFF) | Ratio: 1.14 Failed ⁵ | | Ratio: 1.13 Failed ⁵ | Ratio: 3.94 AA 18pt ² | Ratio: 19.54 Passed ⁶ | Ratio: 3.67 AA 18pt ² |
| Hex(9DFFA5) | Ratio: 1.01 Failed ⁵ | Ratio: 1.13 Failed ⁵ | | Ratio: 3.48 AA 18pt ² | Ratio: 17.28 Passed ⁶ | Ratio: 3.25 AA 18pt ² |
| Hex(6E7E80) | Ratio: 3.46 AA 18pt ² | Ratio: 3.94 AA 18pt ² | Ratio: 3.48 AA 18pt ² | | Ratio: 4.96 AA ¹ AAA 18pt ⁴ | Ratio: 1.07 Failed ⁵ |
| Hex(000000) | Ratio: 17.18 Passed ⁶ | Ratio: 19.54 Passed ⁶ | Ratio: 17.28 Passed ⁶ | Ratio: 4.96 AA ¹ AAA 18pt ⁴ | | Ratio: 5.32 AA ¹ AAA 18pt ⁴ |
| Hex(808080) | Ratio: 3.23 AA 18pt ² | Ratio: 3.67 AA 18pt ² | Ratio: 3.25 AA 18pt ² | Ratio: 1.07 Failed ⁵ | Ratio: 5.32 AA ¹ AAA 18pt ⁴ | |

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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