

Converting Colors - WCAG Matrix

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

Hex(7FD1FF) Hex(D9F1FF) Hex(7FFFAC) Hex(697780) Hex(000000) Hex(808080)

	Hex(7FD1FF)	Hex(D9F1FF)	Hex(7FFFAC)	Hex(697780)	Hex(000000)	Hex(808080)
Hex(7FD1FF)		Ratio: 1.44 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 12.47 Passed ⁶	Ratio: 2.34 Failed ⁵
Hex(D9F1FF)	Ratio: 1.44 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 17.98 Passed ⁶	Ratio: 3.38 AA 18pt ²
Hex(7FFFAC)	Ratio: 1.35 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 3.69 AA 18pt ²	Ratio: 16.80 Passed ⁶	Ratio: 3.16 AA 18pt ²
Hex(697780)	Ratio: 2.74 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 3.69 AA 18pt ²		Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 12.47 Passed ⁶	Ratio: 17.98 Passed ⁶	Ratio: 16.80 Passed ⁶	Ratio: 4.55 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.34 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 1.17 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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