

Converting Colors - WCAG Matrix

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

Hex(7DC1FC) Hex(D9EDFF) Hex(7DFCB6) Hex(697580) Hex(000000) Hex(808080)

	Hex(7DC1FC)	Hex(D9EDFF)	Hex(7DFCB6)	Hex(697580)	Hex(000000)	Hex(808080)
Hex(7DC1FC)		Ratio: 1.61 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 10.91 Passed ⁶	Ratio: 2.05 Failed ⁵
Hex(D9EDFF)	Ratio: 1.61 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 17.51 Passed ⁶	Ratio: 3.29 AA 18pt ²
Hex(7DFCB6)	Ratio: 1.51 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 3.70 AA 18pt ²	Ratio: 16.47 Passed ⁶	Ratio: 3.10 AA 18pt ²
Hex(697580)	Ratio: 2.45 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 3.70 AA 18pt ²		Ratio: 4.46 AA 18pt ²	Ratio: 1.19 Failed ⁵
Hex(000000)	Ratio: 10.91 Passed ⁶	Ratio: 17.51 Passed ⁶	Ratio: 16.47 Passed ⁶	Ratio: 4.46 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.05 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 1.19 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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