

Converting Colors - WCAG Matrix

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

Hex(7180F9) Hex(D6DBFF) Hex(71F9E9) Hex(676A80) Hex(000000) Hex(808080)

	Hex(7180F9)	Hex(D6DBFF)	Hex(71F9E9)	Hex(676A80)	Hex(000000)	Hex(808080)
Hex(7180F9)		Ratio: 2.51 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵
Hex(D6DBFF)	Ratio: 2.51 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 15.44 Passed ⁶	Ratio: 2.90 Failed ⁵
Hex(71F9E9)	Ratio: 2.67 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 4.16 AA 18pt ²	Ratio: 16.43 Passed ⁶	Ratio: 3.09 AA 18pt ²
Hex(676A80)	Ratio: 1.56 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.16 AA 18pt ²		Ratio: 3.95 AA 18pt ²	Ratio: 1.35 Failed ⁵
Hex(000000)	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 15.44 Passed ⁶	Ratio: 16.43 Passed ⁶	Ratio: 3.95 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.16 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 1.35 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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