

Converting Colors - WCAG Matrix

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

Hex(7990FF) Hex(D6DDFF) Hex(79FFE6) Hex(676B80) Hex(000000) Hex(808080)

	Hex(7990FF)	Hex(D6DDFF)	Hex(79FFE6)	Hex(676B80)	Hex(000000)	Hex(808080)
Hex(7990FF)		Ratio: 2.16 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 7.25 Passed ⁶	Ratio: 1.36 Failed ⁵
Hex(D6DDFF)	Ratio: 2.16 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 15.65 Passed ⁶	Ratio: 2.94 Failed ⁵
Hex(79FFE6)	Ratio: 2.38 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 4.32 AA 18pt ²	Ratio: 17.26 Passed ⁶	Ratio: 3.25 AA 18pt ²
Hex(676B80)	Ratio: 1.82 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.32 AA 18pt ²		Ratio: 3.99 AA 18pt ²	Ratio: 1.33 Failed ⁵
Hex(000000)	Ratio: 7.25 Passed ⁶	Ratio: 15.65 Passed ⁶	Ratio: 17.26 Passed ⁶	Ratio: 3.99 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.36 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 1.33 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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