

Converting Colors - WCAG Matrix

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

Hex(001ACC) Hex(B3BCFF) Hex(00CCB2) Hex(525880) Hex(000000) Hex(808080)

	Hex(001ACC)	Hex(B3BCFF)	Hex(00CCB2)	Hex(525880)	Hex(000000)	Hex(808080)
Hex(001ACC)		Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 1.52 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(B3BCFF)	Ratio: 5.72 AA ¹ AAA 18pt ⁴		Ratio: 1.12 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 11.55 Passed ⁶	Ratio: 2.17 Failed ⁵
Hex(00CCB2)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵		Ratio: 3.35 AA 18pt ²	Ratio: 10.28 Passed ⁶	Ratio: 1.93 Failed ⁵
Hex(525880)	Ratio: 1.52 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 3.35 AA 18pt ²		Ratio: 3.07 AA 18pt ²	Ratio: 1.73 Failed ⁵
Hex(000000)	Ratio: 2.02 Failed ⁵	Ratio: 11.55 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 3.07 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.63 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.73 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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