

Converting Colors - WCAG Matrix

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

Hex(B0B3E6) Hex(EDEEFF) Hex(B0E6E3) Hex(757680) Hex(000000) Hex(808080)

	Hex(B0B3E6)	Hex(EDEEFF)	Hex(B0E6E3)	Hex(757680)	Hex(000000)	Hex(808080)
Hex(B0B3E6)		Ratio: 1.75 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 10.44 Passed ⁶	Ratio: 1.96 Failed ⁵
Hex(EDEEFF)	Ratio: 1.75 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 18.27 Passed ⁶	Ratio: 3.44 AA 18pt ²
Hex(B0E6E3)	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 3.28 AA 18pt ²	Ratio: 15.27 Passed ⁶	Ratio: 2.87 Failed ⁵
Hex(757680)	Ratio: 2.24 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 3.28 AA 18pt ²		Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 10.44 Passed ⁶	Ratio: 18.27 Passed ⁶	Ratio: 15.27 Passed ⁶	Ratio: 4.66 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.96 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.14 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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