

Converting Colors - WCAG Matrix

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

Hex(B2B2E6) Hex(EDEDFF) Hex(B2E6E6) Hex(757580) Hex(000000) Hex(808080)

	Hex(B2B2E6)	Hex(EDEDFF)	Hex(B2E6E6)	Hex(757580)	Hex(000000)	Hex(808080)
Hex(B2B2E6)		Ratio: 1.75 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 10.40 Passed ⁶	Ratio: 1.96 Failed ⁵
Hex(EDEDFF)	Ratio: 1.75 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 18.16 Passed ⁶	Ratio: 3.42 AA 18pt ²
Hex(B2E6E6)	Ratio: 1.48 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 3.33 AA 18pt ²	Ratio: 15.35 Passed ⁶	Ratio: 2.89 Failed ⁵
Hex(757580)	Ratio: 2.26 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 3.33 AA 18pt ²		Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 10.40 Passed ⁶	Ratio: 18.16 Passed ⁶	Ratio: 15.35 Passed ⁶	Ratio: 4.61 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.96 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.15 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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