

Converting Colors - WCAG Matrix

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

Hex(CDB3EA) Hex(F5EDFF) Hex(B3D0EA) Hex(7A7580) Hex(000000) Hex(808080)

	Hex(CDB3EA)	Hex(F5EDFF)	Hex(B3D0EA)	Hex(7A7580)	Hex(000000)	Hex(808080)
Hex(CDB3EA)		Ratio: 1.64 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 11.23 Passed ⁶	Ratio: 2.11 Failed ⁵
Hex(F5EDFF)	Ratio: 1.64 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 18.44 Passed ⁶	Ratio: 3.47 AA 18pt ²
Hex(B3D0EA)	Ratio: 1.17 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 2.80 Failed ⁵	Ratio: 13.13 Passed ⁶	Ratio: 2.47 Failed ⁵
Hex(7A7580)	Ratio: 2.40 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.80 Failed ⁵		Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 11.23 Passed ⁶	Ratio: 18.44 Passed ⁶	Ratio: 13.13 Passed ⁶	Ratio: 4.68 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.11 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.47 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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