

Converting Colors - WCAG Matrix

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

Hex(E4BDFF) Hex(F7EBFF) Hex(BDD9FF) Hex(7A7380) Hex(000000) Hex(808080)

	Hex(E4BDFF)	Hex(F7EBFF)	Hex(BDD9FF)	Hex(7A7380)	Hex(000000)	Hex(808080)
Hex(E4BDFF)		Ratio: 1.40 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 13.02 Passed ⁶	Ratio: 2.45 Failed ⁵
Hex(F7EBFF)	Ratio: 1.40 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 18.28 Passed ⁶	Ratio: 3.44 AA 18pt ²
Hex(BDD9FF)	Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 3.17 AA 18pt ²	Ratio: 14.53 Passed ⁶	Ratio: 2.73 Failed ⁵
Hex(7A7380)	Ratio: 2.84 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 3.17 AA 18pt ²		Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵
Hex(000000)	Ratio: 13.02 Passed ⁶	Ratio: 18.28 Passed ⁶	Ratio: 14.53 Passed ⁶	Ratio: 4.59 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.45 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.16 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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