

Converting Colors - WCAG Matrix

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

Hex(D6BFFE) Hex(CEB3FF) Hex(F5BFFE) Hex(777380) Hex(4500BF) Hex(170040)

	Hex(D6BFFE)	Hex(CEB3FF)	Hex(F5BFFE)	Hex(777380)	Hex(4500BF)	Hex(170040)
Hex(D6BFFE)		Ratio: 1.11 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 11.48 Passed ⁶
Hex(CEB3FF)	Ratio: 1.11 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 10.37 Passed ⁶
Hex(F5BFFE)	Ratio: 1.08 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 3.03 AA 18pt ²	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 12.40 Passed ⁶
Hex(777380)	Ratio: 2.80 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.03 AA 18pt ²		Ratio: 2.27 Failed ⁵	Ratio: 4.10 AA 18pt ²
Hex(4500BF)	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 2.27 Failed ⁵		Ratio: 1.81 Failed ⁵
Hex(170040)	Ratio: 11.48 Passed ⁶	Ratio: 10.37 Passed ⁶	Ratio: 12.40 Passed ⁶	Ratio: 4.10 AA 18pt ²	Ratio: 1.81 Failed ⁵	

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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