

Converting Colors - WCAG Matrix

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

Hex(ABABFF) Hex(9C9CFF) Hex(D5ABFF) Hex(737380) Hex(0000BF) Hex(000040)

	Hex(ABABFF)	Hex(9C9CFF)	Hex(D5ABFF)	Hex(737380)	Hex(0000BF)	Hex(000040)
Hex(ABABFF)		Ratio: 1.16 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 9.31 Passed ⁶
Hex(9C9CFF)	Ratio: 1.16 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 8.02 Passed ⁶
Hex(D5ABFF)	Ratio: 1.11 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 2.47 Failed ⁵	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 10.33 Passed ⁶
Hex(737380)	Ratio: 2.23 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.47 Failed ⁵		Ratio: 2.56 Failed ⁵	Ratio: 4.18 AA 18pt ²
Hex(0000BF)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 2.56 Failed ⁵		Ratio: 1.63 Failed ⁵
Hex(000040)	Ratio: 9.31 Passed ⁶	Ratio: 8.02 Passed ⁶	Ratio: 10.33 Passed ⁶	Ratio: 4.18 AA 18pt ²	Ratio: 1.63 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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