

Converting Colors - WCAG Matrix

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

Hex(6363FE) Hex(4545FF) Hex(B063FE) Hex(737380) Hex(0000BF) Hex(000040)

	Hex(6363FE)	Hex(4545FF)	Hex(B063FE)	Hex(737380)	Hex(0000BF)	Hex(000040)
Hex(6363FE)		Ratio: 1.34 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 4.42 AA 18pt ²
Hex(4545FF)	Ratio: 1.34 Failed ⁵		Ratio: 1.71 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(B063FE)	Ratio: 1.28 Failed ⁵	Ratio: 1.71 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(737380)	Ratio: 1.06 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 2.56 Failed ⁵	Ratio: 4.18 AA 18pt ²
Hex(0000BF)	Ratio: 2.71 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 2.56 Failed ⁵		Ratio: 1.63 Failed ⁵
Hex(000040)	Ratio: 4.42 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	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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