

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(6667FD) Hex(4749FF) Hex(AF66FD) Hex(737380) Hex(0001BF) Hex(000040)

Hex(6667FD)		Ratio: 1.34 Failed⁵	Ratio: 1.25 Failed⁵	Ratio: 1.10 Failed⁵	Ratio: 2.80 Failed⁵	Ratio: 4.58 AA¹ AAA 18pt⁴
Hex(4749FF)	Ratio: 1.34 Failed⁵		Ratio: 1.68 Failed⁵	Ratio: 1.23 Failed⁵	Ratio: 2.09 Failed⁵	Ratio: 3.41 AA 18pt²
Hex(AF66FD)	Ratio: 1.25 Failed⁵	Ratio: 1.68 Failed⁵		Ratio: 1.37 Failed⁵	Ratio: 3.50 AA 18pt²	Ratio: 5.72 AA¹ AAA 18pt⁴
Hex(737380)	Ratio: 1.10 Failed⁵	Ratio: 1.23 Failed⁵	Ratio: 1.37 Failed⁵		Ratio: 2.56 Failed⁵	Ratio: 4.18 AA 18pt²
Hex(0001BF)	Ratio: 2.80 Failed⁵	Ratio: 2.09 Failed⁵	Ratio: 3.50 AA 18pt²	Ratio: 2.56 Failed⁵		Ratio: 1.64 Failed⁵
Hex(000040)	Ratio: 4.58 AA¹ AAA 18pt⁴	Ratio: 3.41 AA 18pt²	Ratio: 5.72 AA¹ AAA 18pt⁴	Ratio: 4.18 AA 18pt²	Ratio: 1.64 Failed⁵	

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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