

Converting Colors - WCAG Matrix

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

Hex(1616FA) Hex(0000FF) Hex(8816FA) Hex(70707D) Hex(0000BD) Hex(00003D)

	Hex(1616FA)	Hex(0000FF)	Hex(8816FA)	Hex(70707D)	Hex(0000BD)	Hex(00003D)
Hex(1616FA)		Ratio: 1.03 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(0000FF)	Ratio: 1.03 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(8816FA)	Ratio: 1.40 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(70707D)	Ratio: 1.70 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 2.48 Failed ⁵	Ratio: 4.03 AA 18pt ²
Hex(0000BD)	Ratio: 1.46 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.48 Failed ⁵		Ratio: 1.63 Failed ⁵
Hex(00003D)	Ratio: 2.37 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.03 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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