

# Converting Colors - WCAG Matrix

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

**Hex(0173FE) Hex(0073FF) Hex(0A01FE) Hex(737980) Hex(0056BF) Hex(001D40)**

	Hex(0173FE)	Hex(0073FF)	Hex(0A01FE)	Hex(737980)	Hex(0056BF)	Hex(001D40)
Hex(0173FE)		Ratio: 1.00 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 3.91 AA 18pt <sup>2</sup>
Hex(0073FF)	Ratio: 1.00 Failed <sup>5</sup>		Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>
Hex(0A01FE)	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>		Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>
Hex(737980)	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>		Ratio: 1.55 Failed <sup>5</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>
Hex(0056BF)	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.55 Failed <sup>5</sup>		Ratio: 2.47 Failed <sup>5</sup>
Hex(001D40)	Ratio: 3.91 AA 18pt <sup>2</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 3.82 AA 18pt <sup>2</sup>	Ratio: 2.47 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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