

# Converting Colors - WCAG Matrix

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

**Hex(0041DE) Hex(002BC1) Hex(0016A5) Hex(00068A) Hex(FFFFFF)**

	Hex(0041DE)	Hex(002BC1)	Hex(0016A5)	Hex(00068A)	Hex(FFFFFF)
Hex(0041DE)		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 7.47 Passed <sup>6</sup>
Hex(002BC1)	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 9.93 Passed <sup>6</sup>
Hex(0016A5)	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 12.67 Passed <sup>6</sup>
Hex(00068A)	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 15.08 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 7.47 Passed <sup>6</sup>	Ratio: 9.93 Passed <sup>6</sup>	Ratio: 12.67 Passed <sup>6</sup>	Ratio: 15.08 Passed <sup>6</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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