

# Converting Colors - WCAG Matrix

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

**Hex(254BDD) Hex(0035FF) Hex(5925DD) Hex(63656E) Hex(0024AD) Hex(00092E)**

	Hex(254BDD)	Hex(0035FF)	Hex(5925DD)	Hex(63656E)	Hex(0024AD)	Hex(00092E)
Hex(254BDD)	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 2.90 Failed <sup>5</sup>	
Hex(0035FF)	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 2.74 Failed <sup>5</sup>
Hex(5925DD)	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 2.53 Failed <sup>5</sup>
Hex(63656E)	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.95 Failed <sup>5</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>
Hex(0024AD)	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>		Ratio: 1.72 Failed <sup>5</sup>
Hex(00092E)	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 2.74 Failed <sup>5</sup>	Ratio: 2.53 Failed <sup>5</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 1.72 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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