

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(492AC7) Hex(3D0DFF) Hex(952AC7) Hex(5B5A63) Hex(2000A3) Hex(070024)**

	Hex(492AC7)	Hex(3D0DFF)	Hex(952AC7)	Hex(5B5A63)	Hex(2000A3)	Hex(070024)
Hex(492AC7)		Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 2.36 Failed <sup>5</sup>
Hex(3D0DFF)	Ratio: 1.11 Failed <sup>5</sup>		Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>
Hex(952AC7)	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 3.32 AA 18pt <sup>2</sup>
Hex(5B5A63)	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>		Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.98 Failed <sup>5</sup>
Hex(2000A3)	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 2.16 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>		Ratio: 1.54 Failed <sup>5</sup>
Hex(070024)	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.32 AA 18pt <sup>2</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 1.54 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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