

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(494055) Hex(5B4D6E) Hex(534055) Hex(29272B) Hex(2E006B) Hex(6500EB)**

	Hex(494055)	Hex(5B4D6E)	Hex(534055)	Hex(29272B)	Hex(2E006B)	Hex(6500EB)
Hex(494055)		<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.62</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>
Hex(5B4D6E)	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(534055)	<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>
Hex(29272B)	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.94</a> Failed <sup>5</sup>
Hex(2E006B)	<a href="#">Ratio: 1.62</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.07</a> Failed <sup>5</sup>
Hex(6500EB)	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.94</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.07</a> 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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