

# Converting Colors - WCAG Matrix

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

**Hex(400E76) Hex(4A0099) Hex(730E76) Hex(38353B) Hex(3B007A) Hex(7800FA)**

	Hex(400E76)	Hex(4A0099)	Hex(730E76)	Hex(38353B)	Hex(3B007A)	Hex(7800FA)
Hex(400E76)		Ratio: <a href="#">1.14</a> Failed <sup>5</sup>	Ratio: <a href="#">1.33</a> Failed <sup>5</sup>	Ratio: <a href="#">1.13</a> Failed <sup>5</sup>	Ratio: <a href="#">1.05</a> Failed <sup>5</sup>	Ratio: <a href="#">2.06</a> Failed <sup>5</sup>
Hex(4A0099)	Ratio: <a href="#">1.14</a> Failed <sup>5</sup>		Ratio: <a href="#">1.17</a> Failed <sup>5</sup>	Ratio: <a href="#">1.01</a> Failed <sup>5</sup>	Ratio: <a href="#">1.19</a> Failed <sup>5</sup>	Ratio: <a href="#">1.82</a> Failed <sup>5</sup>
Hex(730E76)	Ratio: <a href="#">1.33</a> Failed <sup>5</sup>	Ratio: <a href="#">1.17</a> Failed <sup>5</sup>		Ratio: <a href="#">1.18</a> Failed <sup>5</sup>	Ratio: <a href="#">1.40</a> Failed <sup>5</sup>	Ratio: <a href="#">1.55</a> Failed <sup>5</sup>
Hex(38353B)	Ratio: <a href="#">1.13</a> Failed <sup>5</sup>	Ratio: <a href="#">1.01</a> Failed <sup>5</sup>	Ratio: <a href="#">1.18</a> Failed <sup>5</sup>		Ratio: <a href="#">1.19</a> Failed <sup>5</sup>	Ratio: <a href="#">1.83</a> Failed <sup>5</sup>
Hex(3B007A)	Ratio: <a href="#">1.05</a> Failed <sup>5</sup>	Ratio: <a href="#">1.19</a> Failed <sup>5</sup>	Ratio: <a href="#">1.40</a> Failed <sup>5</sup>	Ratio: <a href="#">1.19</a> Failed <sup>5</sup>		Ratio: <a href="#">2.17</a> Failed <sup>5</sup>
Hex(7800FA)	Ratio: <a href="#">2.06</a> Failed <sup>5</sup>	Ratio: <a href="#">1.82</a> Failed <sup>5</sup>	Ratio: <a href="#">1.55</a> Failed <sup>5</sup>	Ratio: <a href="#">1.83</a> Failed <sup>5</sup>	Ratio: <a href="#">2.17</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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