

# Converting Colors - WCAG Matrix

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

Hex(9643AB) Hex(BE3CDE) Hex(AB438C) Hex(554E57) Hex(790096) Hex(120017)

	Hex(9643AB)	Hex(BE3CDE)	Hex(AB438C)	Hex(554E57)	Hex(790096)	Hex(120017)
Hex(9643AB)		<a href="#">Ratio: 1.33</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.64</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.55</a> AA 18pt <sup>2</sup>
Hex(BE3CDE)	<a href="#">Ratio: 1.33</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.71</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(AB438C)	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.74</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.77</a> AA 18pt <sup>2</sup>
Hex(554E57)	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.52</a> Failed <sup>5</sup>
Hex(790096)	<a href="#">Ratio: 1.64</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.74</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.17</a> Failed <sup>5</sup>
Hex(120017)	<a href="#">Ratio: 3.55</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.71</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.77</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 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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