

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(9A3595) Hex(C9A1C7) Hex(38359A) Hex(664E65) Hex(E6E6E6) Hex(666666)**

<b>Hex(9A3595)</b>		<a href="#">Ratio: 2.84</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.55</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.17</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 5.07</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.10</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(C9A1C7)</b>	<a href="#">Ratio: 2.84</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 4.39</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 3.31</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.79</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.57</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(38359A)</b>	<a href="#">Ratio: 1.55</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.39</a> <a href="#">AA 18pt</a> <sup>2</sup>		<a href="#">Ratio: 1.33</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 7.85</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 1.71</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(664E65)</b>	<a href="#">Ratio: 1.17</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.31</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.33</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 5.92</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.29</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(E6E6E6)</b>	<a href="#">Ratio: 5.07</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.79</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 7.85</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 5.92</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>		<a href="#">Ratio: 4.60</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(666666)</b>	<a href="#">Ratio: 1.10</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.57</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.71</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.29</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.60</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</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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