

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(7F667D) Hex(A67EA3) Hex(7F7466) Hex(40393F) Hex(800075) Hex(000000)**

<b>Hex(7F667D)</b>		<a href="#">Ratio: 1.50</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.12</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.88</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.10</a> <a href="#">AA 18pt</a> <sup>2</sup>
<b>Hex(A67EA3)</b>	<a href="#">Ratio: 1.50</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.34</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.27</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.82</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.13</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(7F7466)</b>	<a href="#">Ratio: 1.12</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.34</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.45</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.11</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.59</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(40393F)</b>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.27</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.45</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.88</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(800075)</b>	<a href="#">Ratio: 1.88</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.82</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.11</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.17</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(000000)</b>	<a href="#">Ratio: 4.10</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 6.13</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 4.59</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.88</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.17</a> <a href="#">Failed</a> <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.