

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(825F81) Hex(A89BA8) Hex(605F82) Hex(544C54) Hex(D4D4D4) Hex(545454)**

<b>Hex(825F81)</b>		<a href="#">Ratio: 2.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.63</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>
<b>Hex(A89BA8)</b>	<a href="#">Ratio: 2.03</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.12</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>
<b>Hex(605F82)</b>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.10</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>
<b>Hex(544C54)</b>	<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.12</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.58</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>
<b>Hex(D4D4D4)</b>	<a href="#">Ratio: 3.63</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.10</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.58</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.11</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(545454)</b>	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.11</a> AA <sup>1</sup> AAA 18pt <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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