

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(64698A) Hex(A4A6B3) Hex(648A85) Hex(505259) Hex(D9D9D9) Hex(595959)**

<b>Hex(64698A)</b>		<a href="#">Ratio: 2.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.79</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>
<b>Hex(A4A6B3)</b>	<a href="#">Ratio: 2.21</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.23</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.90</a> Failed <sup>5</sup>
<b>Hex(648A85)</b>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.70</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.84</a> Failed <sup>5</sup>
<b>Hex(505259)</b>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.23</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.53</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>
<b>Hex(D9D9D9)</b>	<a href="#">Ratio: 3.79</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.70</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.53</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 4.96</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(595959)</b>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.96</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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