

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(736F68) Hex(969592) Hex(73686C) Hex(4D4B49) Hex(CCCCCC) Hex(4D4D4D)**

<b>Hex(736F68)</b>		<a href="#">Ratio: 1.67</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.74</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.11</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.69</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(969592)</b>	<a href="#">Ratio: 1.67</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.79</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.90</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.82</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(73686C)</b>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.79</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.62</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.33</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(4D4B49)</b>	<a href="#">Ratio: 1.74</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.90</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.62</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 5.41</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.03</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(CCCCCC)</b>	<a href="#">Ratio: 3.11</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.33</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 5.41</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 5.26</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(4D4D4D)</b>	<a href="#">Ratio: 1.69</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.82</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.26</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	

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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