

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(4E4C62) Hex(777780) Hex(4C6062) Hex(3B3B40) Hex(BFBFBF) Hex(404040)**

<b>Hex(4E4C62)</b>		<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.34</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.51</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(777780)</b>	<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.51</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.41</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.34</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(4C6062)</b>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.67</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.62</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.56</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(3B3B40)</b>	<a href="#">Ratio: 1.34</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.51</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.67</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 6.06</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(BFBFBF)</b>	<a href="#">Ratio: 4.51</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 2.41</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.62</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.06</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 5.64</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(404040)</b>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.34</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.56</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.64</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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