

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(5A4C3F) Hex(75706B) Hex(5A3F4D) Hex(3B3734) Hex(BABABA) Hex(3B3B3B)**

<b>Hex(5A4C3F)</b>		<a href="#">Ratio: 1.69</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.13</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.43</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.26</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.35</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(75706B)</b>	<a href="#">Ratio: 1.69</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.90</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.41</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.52</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.29</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(5A3F4D)</b>	<a href="#">Ratio: 1.13</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.90</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.26</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.80</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(3B3734)</b>	<a href="#">Ratio: 1.43</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.41</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.26</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 6.07</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.05</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(BABABA)</b>	<a href="#">Ratio: 4.26</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.52</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.80</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.07</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 5.77</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(3B3B3B)</b>	<a href="#">Ratio: 1.35</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.05</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.77</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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