

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3A5867) Hex(768187) Hex(3A6749) Hex(3A4145) Hex(C4C4C4) Hex(454545)**

	Hex(3A5867)	Hex(768187)	Hex(3A6749)	Hex(3A4145)	Hex(C4C4C4)	Hex(454545)
Hex(3A5867)		<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.34</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>
Hex(768187)	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.64</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.40</a> Failed <sup>5</sup>
Hex(3A6749)	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.64</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.74</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.47</a> Failed <sup>5</sup>
Hex(3A4145)	<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.95</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>
Hex(C4C4C4)	<a href="#">Ratio: 4.34</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.74</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.95</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.50</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(454545)	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.47</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.50</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.