

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(385353) Hex(416B6B) Hex(384653) Hex(252929) Hex(006969) Hex(00E8E8)**

<b>Hex(385353)</b>		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.77</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.42</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(416B6B)</b>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.87</a> AA 18pt <sup>2</sup>
<b>Hex(384653)</b>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(252929)</b>	<a href="#">Ratio: 1.77</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.60</a> Passed <sup>6</sup>
<b>Hex(006969)</b>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.26</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.25</a> AA 18pt <sup>2</sup>
<b>Hex(00E8E8)</b>	<a href="#">Ratio: 5.42</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.87</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 6.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 9.60</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.25</a> AA 18pt <sup>2</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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