

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(133D45) Hex(0D4C59) Hex(132545) Hex(202324) Hex(005363) Hex(00BDE3)**

<b>Hex(133D45)</b>		<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.27</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(0D4C59)</b>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.65</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.28</a> AA 18pt <sup>2</sup>
<b>Hex(132545)</b>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.75</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.81</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(202324)</b>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.65</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.82</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.07</a> Passed <sup>6</sup>
<b>Hex(005363)</b>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.75</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.82</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.88</a> AA 18pt <sup>2</sup>
<b>Hex(00BDE3)</b>	<a href="#">Ratio: 5.27</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 4.28</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 6.81</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 7.07</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.88</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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