

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(1E2424) Hex(252E2E) Hex(1E2124) Hex(101212) Hex(004F52) Hex(00CAD1)**

<b>Hex(1E2424)</b>		<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.78</a> Passed <sup>6</sup>
<b>Hex(252E2E)</b>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.87</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(1E2124)</b>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.99</a> Passed <sup>6</sup>
<b>Hex(101212)</b>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.28</a> Passed <sup>6</sup>
<b>Hex(004F52)</b>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.63</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(00CAD1)</b>	<a href="#">Ratio: 7.78</a> Passed <sup>6</sup>	<a href="#">Ratio: 6.87</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 7.99</a> Passed <sup>6</sup>	<a href="#">Ratio: 9.28</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.63</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.

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