

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

**Hex(002429) Hex(002F36) Hex(001029) Hex(121414) Hex(004B54) Hex(00BBD4)**

	Hex(002429)	Hex(002F36)	Hex(001029)	Hex(121414)	Hex(004B54)	Hex(00BBD4)
Hex(002429)		<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.05</a> Passed <sup>6</sup>
Hex(002F36)	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.21</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(001029)	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.93</a> Failed <sup>5</sup>	<a href="#">Ratio: 8.19</a> Passed <sup>6</sup>
Hex(121414)	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.88</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.98</a> Passed <sup>6</sup>
Hex(004B54)	<a href="#">Ratio: 1.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.93</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.88</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.24</a> AA 18pt <sup>2</sup>
Hex(00BBD4)	<a href="#">Ratio: 7.05</a> Passed <sup>6</sup>	<a href="#">Ratio: 6.21</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 8.19</a> Passed <sup>6</sup>	<a href="#">Ratio: 7.98</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.24</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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