

# Converting Colors - WCAG Matrix

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

Hex(1B7381) Hex(005A68) Hex(004350) Hex(002C39) Hex(001923) Hex(00000C) Hex(000000)

|             | Hex(1B7381)   | Hex(005A68)  | Hex(004350)  | Hex(002C39)  | Hex(001923)   | Hex(00000C)   | Hex(000000)   |
|-------------|---|--|--|--|---|---|---|
| Hex(1B7381) |   | Ratio: <a href="#">1.43</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.99</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.69</a><br>Failed <sup>5</sup> | Ratio: <a href="#">3.28</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">3.80</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">3.82</a><br>AA 18pt <sup>2</sup> |
| Hex(005A68) | Ratio: <a href="#">1.43</a><br>Failed <sup>5</sup>  |  | Ratio: <a href="#">1.39</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.88</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.29</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">2.65</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">2.66</a><br>Failed <sup>5</sup>  |
| Hex(004350) | Ratio: <a href="#">1.99</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.39</a><br>Failed <sup>5</sup> |  | Ratio: <a href="#">1.35</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.65</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.91</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.92</a><br>Failed <sup>5</sup>  |
| Hex(002C39) | Ratio: <a href="#">2.69</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.88</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.35</a><br>Failed <sup>5</sup> |  | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.41</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.42</a><br>Failed <sup>5</sup>  |
| Hex(001923) | Ratio: <a href="#">3.28</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.29</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.65</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> |   | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup>  |
| Hex(00000C) | Ratio: <a href="#">3.80</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.65</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.91</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.41</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup>  |   | Ratio: <a href="#">1.01</a><br>Failed <sup>5</sup>  |
| Hex(000000) | Ratio: <a href="#">3.82</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.66</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.92</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.42</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.01</a><br>Failed <sup>5</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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