

# Converting Colors - WCAG Matrix

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

Hex(005A7E) Hex(0075A3) Hex(001B7E) Hex(393E40) Hex(005B80) Hex(000000)

|             | Hex(005A7E)                                        | Hex(0075A3)                                         | Hex(001B7E)                                        | Hex(393E40)                                        | Hex(005B80)                                        | Hex(000000)                                         |
|-------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|
| Hex(005A7E) |                                                    | <a href="#">Ratio: 1.47</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.90</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.43</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.76</a><br>Failed <sup>5</sup>  |
| Hex(0075A3) | <a href="#">Ratio: 1.47</a><br>Failed <sup>5</sup> |                                                     | <a href="#">Ratio: 2.79</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.45</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 4.07</a><br>AA 18pt <sup>2</sup> |
| Hex(001B7E) | <a href="#">Ratio: 1.90</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.79</a><br>Failed <sup>5</sup>  |                                                    | <a href="#">Ratio: 1.33</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.93</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.46</a><br>Failed <sup>5</sup>  |
| Hex(393E40) | <a href="#">Ratio: 1.43</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.10</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.33</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.45</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.94</a><br>Failed <sup>5</sup>  |
| Hex(005B80) | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.45</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.93</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.45</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 2.81</a><br>Failed <sup>5</sup>  |
| Hex(000000) | <a href="#">Ratio: 2.76</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 4.07</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 1.46</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.94</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.81</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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