

# Converting Colors - WCAG Matrix

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

**Hex(4E7FEC) Hex(366FEC) Hex(1F5EEC) Hex(074EEC) Hex(0049EC)**

| Hex(4E7FEC) |                                                    | Ratio: <a href="#">1.20</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.44</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.68</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.76</a><br>Failed <sup>5</sup> |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(366FEC) | Ratio: <a href="#">1.20</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.20</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.40</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.47</a><br>Failed <sup>5</sup> |
| Hex(1F5EEC) | Ratio: <a href="#">1.44</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.20</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> |
| Hex(074EEC) | Ratio: <a href="#">1.68</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.40</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |
| Hex(0049EC) | Ratio: <a href="#">1.76</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.47</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</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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