

# Converting Colors - WCAG Matrix

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

**Hex(FF998F) Hex(FF8276) Hex(FF6B5C) Hex(FF5342) Hex(FF3C29) Hex(FF2510) Hex(FF1700)**

| <b>Hex(FF998F)</b> |                                                    | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.36</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.55</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.72</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.85</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.90</a><br>Failed <sup>5</sup> |
|--------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| <b>Hex(FF8276)</b> | <a href="#">Ratio: 1.17</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.16</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.33</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.47</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.58</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.62</a><br>Failed <sup>5</sup> |
| <b>Hex(FF6B5C)</b> | <a href="#">Ratio: 1.36</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.16</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.14</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.27</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.36</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.40</a><br>Failed <sup>5</sup> |
| <b>Hex(FF5342)</b> | <a href="#">Ratio: 1.55</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.33</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.14</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.19</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.22</a><br>Failed <sup>5</sup> |
| <b>Hex(FF3C29)</b> | <a href="#">Ratio: 1.72</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.47</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.27</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> |
| <b>Hex(FF2510)</b> | <a href="#">Ratio: 1.85</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.58</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.36</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.19</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> |
| <b>Hex(FF1700)</b> | <a href="#">Ratio: 1.90</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.62</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.40</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.22</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</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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