

# Converting Colors - WCAG Matrix

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

Hex(E8FD9A) Hex(F9FFE0) Hex(FDAE9A) Hex(7C806E) Hex(000000) Hex(808080)

|             | Hex(E8FD9A)   | Hex(F9FFE0)   | Hex(FDAE9A)   | Hex(7C806E)   | Hex(000000)   | Hex(808080)   |
|-------------|---|---|---|---|---|---|
| Hex(E8FD9A) |   | Ratio: <a href="#">1.08</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.62</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.67</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">18.95</a><br>Passed <sup>6</sup>                     | Ratio: <a href="#">3.56</a><br>AA 18pt <sup>2</sup>                     |
| Hex(F9FFE0) | Ratio: <a href="#">1.08</a><br>Failed <sup>5</sup>  |   | Ratio: <a href="#">1.74</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.95</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">20.41</a><br>Passed <sup>6</sup>                     | Ratio: <a href="#">3.84</a><br>AA 18pt <sup>2</sup>                     |
| Hex(FDAE9A) | Ratio: <a href="#">1.62</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.74</a><br>Failed <sup>5</sup>  |   | Ratio: <a href="#">2.26</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">11.70</a><br>Passed <sup>6</sup>                     | Ratio: <a href="#">2.20</a><br>Failed <sup>5</sup>                      |
| Hex(7C806E) | Ratio: <a href="#">3.67</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">3.95</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.26</a><br>Failed <sup>5</sup>  |   | Ratio: <a href="#">5.17</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: <a href="#">18.95</a><br>Passed <sup>6</sup> | Ratio: <a href="#">20.41</a><br>Passed <sup>6</sup> | Ratio: <a href="#">11.70</a><br>Passed <sup>6</sup> | Ratio: <a href="#">5.17</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |   | Ratio: <a href="#">5.32</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(808080) | Ratio: <a href="#">3.56</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">3.84</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.20</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.03</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">5.32</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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