

# Converting Colors - WCAG Matrix

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

**Hex(38AB54) Hex(B0DEBD) Hex(8FAB38) Hex(54705C) Hex(F0F0F0) Hex(707070)**

|             | Hex(38AB54)                                        | Hex(B0DEBD)                                         | Hex(8FAB38)                                        | Hex(54705C)                                                             | Hex(F0F0F0)                                                             | Hex(707070)                                         |
|-------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|
| Hex(38AB54) |                                                    | Ratio: <a href="#">1.97</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.13</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.85</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">2.59</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">1.68</a><br>Failed <sup>5</sup>  |
| Hex(B0DEBD) | Ratio: <a href="#">1.97</a><br>Failed <sup>5</sup> |                                                     | Ratio: <a href="#">1.74</a><br>Failed <sup>5</sup> | Ratio: <a href="#">3.64</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">1.31</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">3.31</a><br>AA 18pt <sup>2</sup> |
| Hex(8FAB38) | Ratio: <a href="#">1.13</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.74</a><br>Failed <sup>5</sup>  |                                                    | Ratio: <a href="#">2.09</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">2.29</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">1.90</a><br>Failed <sup>5</sup>  |
| Hex(54705C) | Ratio: <a href="#">1.85</a><br>Failed <sup>5</sup> | Ratio: <a href="#">3.64</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">2.09</a><br>Failed <sup>5</sup> |                                                                         | Ratio: <a href="#">4.79</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup>  |
| Hex(F0F0F0) | Ratio: <a href="#">2.59</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.31</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">2.29</a><br>Failed <sup>5</sup> | Ratio: <a href="#">4.79</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                                         | Ratio: <a href="#">4.35</a><br>AA 18pt <sup>2</sup> |
| Hex(707070) | Ratio: <a href="#">1.68</a><br>Failed <sup>5</sup> | Ratio: <a href="#">3.31</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">1.90</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">4.35</a><br>AA 18pt <sup>2</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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