

# Converting Colors - WCAG Matrix

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

**Hex(6CAB54) Hex(C6DEBD) Hex(AB9254) Hex(62705C) Hex(F0F0F0) Hex(707070)**

|             | Hex(6CAB54)                        | Hex(C6DEBD)                         | Hex(AB9254)                        | Hex(62705C)                                             | Hex(F0F0F0)                                             | Hex(707070)                         |
|-------------|------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(6CAB54) |                                    | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.90<br>Failed <sup>5</sup>                      | Ratio: 2.43<br>Failed <sup>5</sup>                      | Ratio: 1.79<br>Failed <sup>5</sup>  |
| Hex(C6DEBD) | Ratio: 1.92<br>Failed <sup>5</sup> |                                     | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 3.44<br>AA 18pt <sup>2</sup> |
| Hex(AB9254) | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup>  |                                    | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 2.64<br>Failed <sup>5</sup>                      | Ratio: 1.64<br>Failed <sup>5</sup>  |
| Hex(62705C) | Ratio: 1.90<br>Failed <sup>5</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 1.75<br>Failed <sup>5</sup> |                                                         | Ratio: 4.62<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  |
| Hex(F0F0F0) | Ratio: 2.43<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 2.64<br>Failed <sup>5</sup> | Ratio: 4.62<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.35<br>AA 18pt <sup>2</sup> |
| Hex(707070) | Ratio: 1.79<br>Failed <sup>5</sup> | Ratio: 3.44<br>AA 18pt <sup>2</sup> | Ratio: 1.64<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 4.35<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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