

# Converting Colors - WCAG Matrix

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

Hex(92AA5C) Hex(D4DEBF) Hex(AA735C) Hex(6A705D) Hex(F0F0F0) Hex(707070)

|             | Hex(92AA5C)                        | Hex(D4DEBF)                         | Hex(AA735C)                         | Hex(6A705D)                                             | Hex(F0F0F0)                                             | Hex(707070)                         |
|-------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(92AA5C) |                                    | Ratio: 1.85<br>Failed <sup>5</sup>  | Ratio: 1.53<br>Failed <sup>5</sup>  | Ratio: 1.99<br>Failed <sup>5</sup>                      | Ratio: 2.27<br>Failed <sup>5</sup>                      | Ratio: 1.92<br>Failed <sup>5</sup>  |
| Hex(D4DEBF) | Ratio: 1.85<br>Failed <sup>5</sup> |                                     | Ratio: 2.82<br>Failed <sup>5</sup>  | Ratio: 3.67<br>AA 18pt <sup>2</sup>                     | Ratio: 1.23<br>Failed <sup>5</sup>                      | Ratio: 3.54<br>AA 18pt <sup>2</sup> |
| Hex(AA735C) | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 2.82<br>Failed <sup>5</sup>  |                                     | Ratio: 1.30<br>Failed <sup>5</sup>                      | Ratio: 3.47<br>AA 18pt <sup>2</sup>                     | Ratio: 1.25<br>Failed <sup>5</sup>  |
| Hex(6A705D) | Ratio: 1.99<br>Failed <sup>5</sup> | Ratio: 3.67<br>AA 18pt <sup>2</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.04<br>Failed <sup>5</sup>  |
| Hex(F0F0F0) | Ratio: 2.27<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 3.47<br>AA 18pt <sup>2</sup> | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.35<br>AA 18pt <sup>2</sup> |
| Hex(707070) | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 3.54<br>AA 18pt <sup>2</sup> | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 1.04<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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