

# Converting Colors - WCAG Matrix

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

|             | Hex(909090)                        | Hex(BABABA)                         | Hex(5E5E5E)                                             | Hex(DEDEDE)                                             |
|-------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(909090) |                                    | Ratio: 1.64<br>Failed <sup>5</sup>  | Ratio: 2.03<br>Failed <sup>5</sup>                      | Ratio: 2.37<br>Failed <sup>5</sup>                      |
| Hex(BABABA) | Ratio: 1.64<br>Failed <sup>5</sup> |                                     | Ratio: 3.34<br>AA 18pt <sup>2</sup>                     | Ratio: 1.44<br>Failed <sup>5</sup>                      |
| Hex(5E5E5E) | Ratio: 2.03<br>Failed <sup>5</sup> | Ratio: 3.34<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 4.82<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(DEDEDE) | Ratio: 2.37<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 4.82<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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