

# Converting Colors - WCAG Matrix

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

|             | Hex(4A4A4A)                                                         | Hex(616161)                                                        | Hex(303030)                                                                                             | Hex(B0B0B0)                                                                                             |
|-------------|---------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Hex(4A4A4A) |                                                                     | <a href="#">Ratio: 1.43</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 1.49</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 4.09</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     |
| Hex(616161) | <a href="#">Ratio: 1.43</a><br><a href="#">Failed</a> <sup>5</sup>  |                                                                    | <a href="#">Ratio: 2.13</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.86</a><br><a href="#">Failed</a> <sup>5</sup>                                      |
| Hex(303030) | <a href="#">Ratio: 1.49</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 2.13</a><br><a href="#">Failed</a> <sup>5</sup> |                                                                                                         | <a href="#">Ratio: 6.09</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(B0B0B0) | <a href="#">Ratio: 4.09</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 2.86</a><br><a href="#">Failed</a> <sup>5</sup> | <a href="#">Ratio: 6.09</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <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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