

# Converting Colors - WCAG Matrix

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

**Hex(6A5404) Hex(8A8162) Hex(6A041A) Hex(45402D) Hex(C4C4C4) Hex(454545)**

|             | Hex(6A5404)                         | Hex(8A8162)                         | Hex(6A041A)                         | Hex(45402D)                                             | Hex(C4C4C4)                                             | Hex(454545)                                             |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(6A5404) |                                     | Ratio: 1.87<br>Failed <sup>5</sup>  | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 1.42<br>Failed <sup>5</sup>                      | Ratio: 4.18<br>AA 18pt <sup>2</sup>                     | Ratio: 1.32<br>Failed <sup>5</sup>                      |
| Hex(8A8162) | Ratio: 1.87<br>Failed <sup>5</sup>  |                                     | Ratio: 3.28<br>AA 18pt <sup>2</sup> | Ratio: 2.67<br>Failed <sup>5</sup>                      | Ratio: 2.23<br>Failed <sup>5</sup>                      | Ratio: 2.46<br>Failed <sup>5</sup>                      |
| Hex(6A041A) | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 3.28<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.23<br>Failed <sup>5</sup>                      | Ratio: 7.32<br>Passed <sup>6</sup>                      | Ratio: 1.33<br>Failed <sup>5</sup>                      |
| Hex(45402D) | Ratio: 1.42<br>Failed <sup>5</sup>  | Ratio: 2.67<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>  |                                                         | Ratio: 5.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.08<br>Failed <sup>5</sup>                      |
| Hex(C4C4C4) | Ratio: 4.18<br>AA 18pt <sup>2</sup> | Ratio: 2.23<br>Failed <sup>5</sup>  | Ratio: 7.32<br>Passed <sup>6</sup>  | Ratio: 5.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.50<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(454545) | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 2.46<br>Failed <sup>5</sup>  | Ratio: 1.33<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 5.50<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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