

# Converting Colors - WCAG Matrix

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

Hex(3D3D05) Hex(4F4F00) Hex(213D05) Hex(1F1F1C) Hex(5E5E00) Hex(DEDE00)

|             | Hex(3D3D05)                        | Hex(4F4F00)                                             | Hex(213D05)                        | Hex(1F1F1C)                         | Hex(5E5E00)                                             | Hex(DEDE00)                                             |
|-------------|------------------------------------|---------------------------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(3D3D05) |                                    | Ratio: 1.31<br>Failed <sup>5</sup>                      | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.47<br>Failed <sup>5</sup>  | Ratio: 1.65<br>Failed <sup>5</sup>                      | Ratio: 7.79<br>Passed <sup>6</sup>                      |
| Hex(4F4F00) | Ratio: 1.31<br>Failed <sup>5</sup> |                                                         | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.93<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 5.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(213D05) | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup>                      | Ratio: 8.39<br>Passed <sup>6</sup>                      |
| Hex(1F1F1C) | Ratio: 1.47<br>Failed <sup>5</sup> | Ratio: 1.93<br>Failed <sup>5</sup>                      | Ratio: 1.36<br>Failed <sup>5</sup> |                                     | Ratio: 2.42<br>Failed <sup>5</sup>                      | Ratio: 11.45<br>Passed <sup>6</sup>                     |
| Hex(5E5E00) | Ratio: 1.65<br>Failed <sup>5</sup> | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 2.42<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(DEDE00) | Ratio: 7.79<br>Passed <sup>6</sup> | Ratio: 5.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.39<br>Passed <sup>6</sup> | Ratio: 11.45<br>Passed <sup>6</sup> | Ratio: 4.73<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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