

# Converting Colors - WCAG Matrix

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

**Hex(805264) Hex(A65E7B) Hex(805652) Hex(40393C) Hex(800032) Hex(000000)**

|             | Hex(805264)                         | Hex(A65E7B)                                             | Hex(805652)                         | Hex(40393C)                        | Hex(800032)                        | Hex(000000)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(805264) |                                     | Ratio: 1.36<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 3.31<br>AA 18pt <sup>2</sup>                     |
| Hex(A65E7B) | Ratio: 1.36<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup> | Ratio: 2.30<br>Failed <sup>5</sup> | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(805652) | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.80<br>Failed <sup>5</sup> | Ratio: 1.72<br>Failed <sup>5</sup> | Ratio: 3.37<br>AA 18pt <sup>2</sup>                     |
| Hex(40393C) | Ratio: 1.77<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 1.80<br>Failed <sup>5</sup>  |                                    | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.87<br>Failed <sup>5</sup>                      |
| Hex(800032) | Ratio: 1.68<br>Failed <sup>5</sup>  | Ratio: 2.30<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup> |                                    | Ratio: 1.96<br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: 3.31<br>AA 18pt <sup>2</sup> | Ratio: 4.51<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 1.87<br>Failed <sup>5</sup> | Ratio: 1.96<br>Failed <sup>5</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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