

# Converting Colors - WCAG Matrix

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

**Hex(E4DDF5) Hex(FAF7FF) Hex(DDEEF5) Hex(7C7A80) Hex(FFFFFF) Hex(808080)**

|             | Hex(E4DDF5)                         | Hex(FAF7FF)                         | Hex(DDEEF5)                         | Hex(7C7A80)                         | Hex(FFFFFF)                         | Hex(808080)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(E4DDF5) |                                     | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 3.00<br>AA 18pt <sup>2</sup> |
| Hex(FAF7FF) | Ratio: 1.24<br>Failed <sup>5</sup>  |                                     | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 4.00<br>AA 18pt <sup>2</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 3.73<br>AA 18pt <sup>2</sup> |
| Hex(DDEEF5) | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 1.12<br>Failed <sup>5</sup>  |                                     | Ratio: 3.56<br>AA 18pt <sup>2</sup> | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 3.31<br>AA 18pt <sup>2</sup> |
| Hex(7C7A80) | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 4.00<br>AA 18pt <sup>2</sup> | Ratio: 3.56<br>AA 18pt <sup>2</sup> |                                     | Ratio: 4.24<br>AA 18pt <sup>2</sup> | Ratio: 1.07<br>Failed <sup>5</sup>  |
| Hex(FFFFFF) | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 4.24<br>AA 18pt <sup>2</sup> |                                     | Ratio: 3.95<br>AA 18pt <sup>2</sup> |
| Hex(808080) | Ratio: 3.00<br>AA 18pt <sup>2</sup> | Ratio: 3.73<br>AA 18pt <sup>2</sup> | Ratio: 3.31<br>AA 18pt <sup>2</sup> | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 3.95<br>AA 18pt <sup>2</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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