

# Converting Colors - WCAG Matrix

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

Hex(A093FF) Hex(8D7DFF) Hex(D693FF) Hex(747380) Hex(1700BF) Hex(080040)

|             | Hex(A093FF)                                             | Hex(8D7DFF)                                             | Hex(D693FF)                                             | Hex(747380)                         | Hex(1700BF)                                             | Hex(080040)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(A093FF) |                                                         | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 1.80<br>Failed <sup>5</sup>  | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.48<br>Passed <sup>6</sup>                      |
| Hex(8D7DFF) | Ratio: 1.25<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.46<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 6.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(D693FF) | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 1.46<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.10<br>Failed <sup>5</sup>  | Ratio: 5.30<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.74<br>Passed <sup>6</sup>                      |
| Hex(747380) | Ratio: 1.80<br>Failed <sup>5</sup>                      | Ratio: 1.44<br>Failed <sup>5</sup>                      | Ratio: 2.10<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.52<br>Failed <sup>5</sup>                      | Ratio: 4.16<br>AA 18pt <sup>2</sup>                     |
| Hex(1700BF) | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 5.30<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.52<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.65<br>Failed <sup>5</sup>                      |
| Hex(080040) | Ratio: 7.48<br>Passed <sup>6</sup>                      | Ratio: 6.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.74<br>Passed <sup>6</sup>                      | Ratio: 4.16<br>AA 18pt <sup>2</sup> | Ratio: 1.65<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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