

# Converting Colors - WCAG Matrix

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

Hex(DBB7CE) Hex(FFCCEC) Hex(DBB7BC) Hex(6E636A) Hex(AD006E) Hex(2E001D)

|             | Hex(DBB7CE)                         | Hex(FFCCEC)                                             | Hex(DBB7BC)                         | Hex(6E636A)                         | Hex(AD006E)                                             | Hex(2E001D)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(DBB7CE) |                                     | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 3.89<br>AA 18pt <sup>2</sup>                     | Ratio: 10.30<br>Passed <sup>6</sup> |
| Hex(FFCCEC) | Ratio: 1.29<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.31<br>Failed <sup>5</sup>  | Ratio: 4.13<br>AA 18pt <sup>2</sup> | Ratio: 5.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 13.32<br>Passed <sup>6</sup> |
| Hex(DBB7BC) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.31<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.15<br>AA 18pt <sup>2</sup> | Ratio: 3.83<br>AA 18pt <sup>2</sup>                     | Ratio: 10.15<br>Passed <sup>6</sup> |
| Hex(6E636A) | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 4.13<br>AA 18pt <sup>2</sup>                     | Ratio: 3.15<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 3.22<br>AA 18pt <sup>2</sup> |
| Hex(AD006E) | Ratio: 3.89<br>AA 18pt <sup>2</sup> | Ratio: 5.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.83<br>AA 18pt <sup>2</sup> | Ratio: 1.22<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.65<br>Failed <sup>5</sup>  |
| Hex(2E001D) | Ratio: 10.30<br>Passed <sup>6</sup> | Ratio: 13.32<br>Passed <sup>6</sup>                     | Ratio: 10.15<br>Passed <sup>6</sup> | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 2.65<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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