

# Converting Colors - WCAG Matrix

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

Hex(DBC9CD) Hex(FFE6EB) Hex(C9D6DB) Hex(6E6365) Hex(AD0027) Hex(2E000A)

|             | Hex(DBC9CD)                                             | Hex(FFE6EB)                                             | Hex(C9D6DB)                                             | Hex(6E6365)                                             | Hex(AD0027)                                             | Hex(2E000A)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(DBC9CD) |                                                         | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 4.72<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.82<br>Passed <sup>6</sup> |
| Hex(FFE6EB) | Ratio: 1.34<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 15.86<br>Passed <sup>6</sup> |
| Hex(C9D6DB) | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.26<br>Failed <sup>5</sup>                      |                                                         | Ratio: 3.89<br>AA 18pt <sup>2</sup>                     | Ratio: 5.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.60<br>Passed <sup>6</sup> |
| Hex(6E6365) | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.89<br>AA 18pt <sup>2</sup>                     |                                                         | Ratio: 1.30<br>Failed <sup>5</sup>                      | Ratio: 3.24<br>AA 18pt <sup>2</sup> |
| Hex(AD0027) | Ratio: 4.72<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.30<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.50<br>Failed <sup>5</sup>  |
| Hex(2E000A) | Ratio: 11.82<br>Passed <sup>6</sup>                     | Ratio: 15.86<br>Passed <sup>6</sup>                     | Ratio: 12.60<br>Passed <sup>6</sup>                     | Ratio: 3.24<br>AA 18pt <sup>2</sup>                     | Ratio: 2.50<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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