

# Converting Colors - WCAG Matrix

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

Hex(DED1AE) Hex(FFEDBD) Hex(D4DEAE) Hex(706D65) Hex(B08000) Hex(302300)

|             | Hex(DED1AE)                         | Hex(FFEDBD)                         | Hex(D4DEAE)                         | Hex(706D65)                         | Hex(B08000)                         | Hex(302300)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(DED1AE) |                                     | Ratio: 1.31<br>Failed <sup>5</sup>  | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 3.40<br>AA 18pt <sup>2</sup> | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 10.13<br>Passed <sup>6</sup> |
| Hex(FFEDBD) | Ratio: 1.31<br>Failed <sup>5</sup>  |                                     | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 4.45<br>AA 18pt <sup>2</sup> | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 13.25<br>Passed <sup>6</sup> |
| Hex(D4DEAE) | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>  |                                     | Ratio: 3.66<br>AA 18pt <sup>2</sup> | Ratio: 2.50<br>Failed <sup>5</sup>  | Ratio: 10.88<br>Passed <sup>6</sup> |
| Hex(706D65) | Ratio: 3.40<br>AA 18pt <sup>2</sup> | Ratio: 4.45<br>AA 18pt <sup>2</sup> | Ratio: 3.66<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.46<br>Failed <sup>5</sup>  | Ratio: 2.98<br>Failed <sup>5</sup>  |
| Hex(B08000) | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 2.50<br>Failed <sup>5</sup>  | Ratio: 1.46<br>Failed <sup>5</sup>  |                                     | Ratio: 4.34<br>AA 18pt <sup>2</sup> |
| Hex(302300) | Ratio: 10.13<br>Passed <sup>6</sup> | Ratio: 13.25<br>Passed <sup>6</sup> | Ratio: 10.88<br>Passed <sup>6</sup> | Ratio: 2.98<br>Failed <sup>5</sup>  | Ratio: 4.34<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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