

# Converting Colors - WCAG Matrix

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

Hex(DED6BC) Hex(FFF4D1) Hex(D6DEBC) Hex(706E65) Hex(B08700) Hex(302500)

|             | Hex(DED6BC)                                         | Hex(FFF4D1)                                                             | Hex(D6DEBC)                                         | Hex(706E65)                                                             | Hex(B08700)                                                             | Hex(302500)                                                             |
|-------------|-----------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Hex(DED6BC) |                                                     | Ratio: <a href="#">1.32</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">1.04</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.52</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">2.29</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">10.39</a><br>Passed <sup>6</sup>                     |
| Hex(FFF4D1) | Ratio: <a href="#">1.32</a><br>Failed <sup>5</sup>  |                                                                         | Ratio: <a href="#">1.27</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">4.65</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">3.03</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">13.75</a><br>Passed <sup>6</sup>                     |
| Hex(D6DEBC) | Ratio: <a href="#">1.04</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.27</a><br>Failed <sup>5</sup>                      |                                                     | Ratio: <a href="#">3.66</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">2.38</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">10.81</a><br>Passed <sup>6</sup>                     |
| Hex(706E65) | Ratio: <a href="#">3.52</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">4.65</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">3.66</a><br>AA 18pt <sup>2</sup> |                                                                         | Ratio: <a href="#">1.54</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">2.95</a><br>Failed <sup>5</sup>                      |
| Hex(B08700) | Ratio: <a href="#">2.29</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.03</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">2.38</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.54</a><br>Failed <sup>5</sup>                      |                                                                         | Ratio: <a href="#">4.54</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(302500) | Ratio: <a href="#">10.39</a><br>Passed <sup>6</sup> | Ratio: <a href="#">13.75</a><br>Passed <sup>6</sup>                     | Ratio: <a href="#">10.81</a><br>Passed <sup>6</sup> | Ratio: <a href="#">2.95</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">4.54</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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