

# Converting Colors - WCAG Matrix

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

|             | Hex(DDD1B1)                                        | Hex(DDCB9B)                                        | Hex(DDC585)                                        | Hex(DDBF6F)                                        | Hex(DDB959)                                        | Hex(DDB343)                                        | Hex(DDAD2C)                                        | Hex(DDA716)                                        | Hex(DDA100)                                        |
|-------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Hex(DDD1B1) |                                                    | Ratio: <a href="#">1.06</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.12</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.18</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.24</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.30</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.37</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.44</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.51</a><br>Failed <sup>5</sup> |
| Hex(DDCB9B) | Ratio: <a href="#">1.06</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.06</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.23</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.30</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.36</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.43</a><br>Failed <sup>5</sup> |
| Hex(DDC585) | Ratio: <a href="#">1.12</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.06</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.23</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.29</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.35</a><br>Failed <sup>5</sup> |
| Hex(DDBF6F) | Ratio: <a href="#">1.18</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.28</a><br>Failed <sup>5</sup> |
| Hex(DDB959) | Ratio: <a href="#">1.24</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> |
| Hex(DDB343) | Ratio: <a href="#">1.30</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.23</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup> |
| Hex(DDAD2C) | Ratio: <a href="#">1.37</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.30</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.23</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.17</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.11</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup> |
| Hex(DDA716) | Ratio: <a href="#">1.44</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.36</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.29</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.05</a><br>Failed <sup>5</sup> |
| Hex(DDA100) | Ratio: <a href="#">1.51</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.43</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.35</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.28</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.16</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.10</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.05</a><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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