

# Converting Colors - WCAG Matrix

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

Hex(E000D6) Hex(FF00F4) Hex(00E078) Hex(706570) Hex(B000A8) Hex(30002E)

|             | Hex(E000D6)                         | Hex(FF00F4)                                             | Hex(00E078)                         | Hex(706570)                         | Hex(B000A8)                         | Hex(30002E)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(E000D6) |                                     | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 2.32<br>Failed <sup>5</sup>  | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 4.41<br>AA 18pt <sup>2</sup>                     |
| Hex(FF00F4) | Ratio: 1.28<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.82<br>Failed <sup>5</sup>  | Ratio: 1.73<br>Failed <sup>5</sup>  | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 5.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00E078) | Ratio: 2.32<br>Failed <sup>5</sup>  | Ratio: 1.82<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.15<br>AA 18pt <sup>2</sup> | Ratio: 3.50<br>AA 18pt <sup>2</sup> | Ratio: 10.24<br>Passed <sup>6</sup>                     |
| Hex(706570) | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.73<br>Failed <sup>5</sup>                      | Ratio: 3.15<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 3.25<br>AA 18pt <sup>2</sup>                     |
| Hex(B000A8) | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 1.92<br>Failed <sup>5</sup>                      | Ratio: 3.50<br>AA 18pt <sup>2</sup> | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 2.93<br>Failed <sup>5</sup>                      |
| Hex(30002E) | Ratio: 4.41<br>AA 18pt <sup>2</sup> | Ratio: 5.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 10.24<br>Passed <sup>6</sup> | Ratio: 3.25<br>AA 18pt <sup>2</sup> | Ratio: 2.93<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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