

# Converting Colors - WCAG Matrix

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

Hex(0A0104) Hex(0D0004) Hex(090A01) Hex(050505) Hex(450017) Hex(C40041)

|             | Hex(0A0104)                         | Hex(0D0004)                         | Hex(090A01)                         | Hex(050505)                         | Hex(450017)                        | Hex(C40041)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(0A0104) |                                     | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> |
| Hex(0D0004) | Ratio: 1.00<br>Failed <sup>5</sup>  |                                     | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> |
| Hex(090A01) | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>  |                                     | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup> | Ratio: 3.24<br>AA 18pt <sup>2</sup> |
| Hex(050505) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>  |                                     | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 3.32<br>AA 18pt <sup>2</sup> |
| Hex(450017) | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.20<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>  |                                    | Ratio: 2.71<br>Failed <sup>5</sup>  |
| Hex(C40041) | Ratio: 3.36<br>AA 18pt <sup>2</sup> | Ratio: 3.36<br>AA 18pt <sup>2</sup> | Ratio: 3.24<br>AA 18pt <sup>2</sup> | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 2.71<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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