

# Converting Colors - WCAG Matrix

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

Hex(381523) Hex(4A1229) Hex(353815) Hex(1C191A) Hex(5C0025) Hex(DB0058)

|             | Hex(381523)                         | Hex(4A1229)                        | Hex(353815)                        | Hex(1C191A)                         | Hex(5C0025)                        | Hex(DB0058)                         |
|-------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(381523) |                                     | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 3.20<br>AA 18pt <sup>2</sup> |
| Hex(4A1229) | Ratio: 1.08<br>Failed <sup>5</sup>  |                                    | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 2.95<br>Failed <sup>5</sup>  |
| Hex(353815) | Ratio: 1.33<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup> |                                    | Ratio: 1.44<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 2.40<br>Failed <sup>5</sup>  |
| Hex(1C191A) | Ratio: 1.08<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.44<br>Failed <sup>5</sup> |                                     | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 3.45<br>AA 18pt <sup>2</sup> |
| Hex(5C0025) | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.05<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup>  |                                    | Ratio: 2.80<br>Failed <sup>5</sup>  |
| Hex(DB0058) | Ratio: 3.20<br>AA 18pt <sup>2</sup> | Ratio: 2.95<br>Failed <sup>5</sup> | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 2.80<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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