

# Converting Colors - WCAG Matrix

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

**Hex(64010C) Hex(82000E) Hex(013E64) Hex(332E2E) Hex(73000D) Hex(F2001B)**

|             | Hex(64010C)                         | Hex(82000E)                        | Hex(013E64)                        | Hex(332E2E)                         | Hex(73000D)                        | Hex(F2001B)                         |
|-------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(64010C) |                                     | Ratio: 1.26<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.12<br>Failed <sup>5</sup> | Ratio: 3.09<br>AA 18pt <sup>2</sup> |
| Hex(82000E) | Ratio: 1.26<br>Failed <sup>5</sup>  |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 2.45<br>Failed <sup>5</sup>  |
| Hex(013E64) | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 2.56<br>Failed <sup>5</sup>  |
| Hex(332E2E) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> |                                     | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 3.05<br>AA 18pt <sup>2</sup> |
| Hex(73000D) | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup>  |                                    | Ratio: 2.76<br>Failed <sup>5</sup>  |
| Hex(F2001B) | Ratio: 3.09<br>AA 18pt <sup>2</sup> | Ratio: 2.45<br>Failed <sup>5</sup> | Ratio: 2.56<br>Failed <sup>5</sup> | Ratio: 3.05<br>AA 18pt <sup>2</sup> | Ratio: 2.76<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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