# Converting Colors - WCAG Matrix

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

| | | Hex(002B66) | Hex(5F061D) | Hex(293200) | Hex(003A3F) |
|---|---|---|---|---|---|
| **Hex(002B66)** | | | Ratio: 1.00<br>Failed [5] | Ratio: 1.01<br>Failed [5] | Ratio: 1.09<br>Failed [5] |
| **Hex(5F061D)** | | Ratio: 1.00<br>Failed [5] | | Ratio: 1.01<br>Failed [5] | Ratio: 1.10<br>Failed [5] |
| **Hex(293200)** | | Ratio: 1.01<br>Failed [5] | Ratio: 1.01<br>Failed [5] | | Ratio: 1.08<br>Failed [5] |
| **Hex(003A3F)** | | Ratio: 1.09<br>Failed [5] | Ratio: 1.10<br>Failed [5] | Ratio: 1.08<br>Failed [5] | |

Details can be found at https://www.w3.org/TR/WCAG20/.

[1] AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

[2] AA 18pt

AA level for large text above 18pt.

[3] AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

[4] AAA 18pt

AAA level for large text above 18pt.

[5] Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

[6] Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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