

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(002F40) Hex(003E54) Hex(001040) Hex(1E2021) Hex(004861) Hex(00A6E0)

| | Hex(002F40) | Hex(003E54) | Hex(001040) | Hex(1E2021) | Hex(004861) | Hex(00A6E0) |
|-------------|---|---|---|---|---|---|
| Hex(002F40) | | Ratio: 1.23 Failed ⁵ | Ratio: 1.29 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.42 Failed ⁵ | Ratio: 5.09 AA ¹ AAA 18pt ⁴ |
| Hex(003E54) | Ratio: 1.23 Failed ⁵ | | Ratio: 1.58 Failed ⁵ | Ratio: 1.42 Failed ⁵ | Ratio: 1.16 Failed ⁵ | Ratio: 4.14 AA 18pt ² |
| Hex(001040) | Ratio: 1.29 Failed ⁵ | Ratio: 1.58 Failed ⁵ | | Ratio: 1.12 Failed ⁵ | Ratio: 1.83 Failed ⁵ | Ratio: 6.56 AA ¹ AAA 18pt ⁴ |
| Hex(1E2021) | Ratio: 1.15 Failed ⁵ | Ratio: 1.42 Failed ⁵ | Ratio: 1.12 Failed ⁵ | | Ratio: 1.64 Failed ⁵ | Ratio: 5.87 AA ¹ AAA 18pt ⁴ |
| Hex(004861) | Ratio: 1.42 Failed ⁵ | Ratio: 1.16 Failed ⁵ | Ratio: 1.83 Failed ⁵ | Ratio: 1.64 Failed ⁵ | | Ratio: 3.59 AA 18pt ² |
| Hex(00A6E0) | Ratio: 5.09 AA ¹ AAA 18pt ⁴ | Ratio: 4.14 AA 18pt ² | Ratio: 6.56 AA ¹ AAA 18pt ⁴ | Ratio: 5.87 AA ¹ AAA 18pt ⁴ | Ratio: 3.59 AA 18pt ² | |

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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