

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(009194) Hex(00BCBF) Hex(004794) Hex(434A4A) Hex(00878A) Hex(000A0A)

| | Hex(009194) | Hex(00BCBF) | Hex(004794) | Hex(434A4A) | Hex(00878A) | Hex(000A0A) |
|-------------|---|---|---|---|---|---|
| Hex(009194) | | Ratio: 1.63 Failed ⁵ | Ratio: 2.35 Failed ⁵ | Ratio: 2.36 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 5.23 AA ¹ AAA 18pt ⁴ |
| Hex(00BCBF) | Ratio: 1.63 Failed ⁵ | | Ratio: 3.84 AA 18pt ² | Ratio: 3.86 AA 18pt ² | Ratio: 1.85 Failed ⁵ | Ratio: 8.54 Passed ⁶ |
| Hex(004794) | Ratio: 2.35 Failed ⁵ | Ratio: 3.84 AA 18pt ² | | Ratio: 1.01 Failed ⁵ | Ratio: 2.07 Failed ⁵ | Ratio: 2.22 Failed ⁵ |
| Hex(434A4A) | Ratio: 2.36 Failed ⁵ | Ratio: 3.86 AA 18pt ² | Ratio: 1.01 Failed ⁵ | | Ratio: 2.09 Failed ⁵ | Ratio: 2.21 Failed ⁵ |
| Hex(00878A) | Ratio: 1.13 Failed ⁵ | Ratio: 1.85 Failed ⁵ | Ratio: 2.07 Failed ⁵ | Ratio: 2.09 Failed ⁵ | | Ratio: 4.61 AA ¹ AAA 18pt ⁴ |
| Hex(000A0A) | Ratio: 5.23 AA ¹ AAA 18pt ⁴ | Ratio: 8.54 Passed ⁶ | Ratio: 2.22 Failed ⁵ | Ratio: 2.21 Failed ⁵ | Ratio: 4.61 AA ¹ AAA 18pt ⁴ | |

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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