

Converting Colors - WCAG Matrix

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

| | Hex(01E8E5) | Hex(00CBC9) | Hex(00AFAE) | Hex(009493) | Hex(007A79) | Hex(006061) | Hex(004749) | Hex(003032) | Hex(00161E) | Hex(000000) |
|-------------|---|---|---|---|-------------------------------------|---|---|---|---|---|
| Hex(01E8E5) | | Ratio: 1.32 Failed ⁵ | Ratio: 1.77 Failed ⁵ | Ratio: 2.42 Failed ⁵ | Ratio: 3.37 AA 18pt ² | Ratio: 4.81 AA ¹ AAA 18pt ⁴ | Ratio: 6.85 AA ¹ AAA 18pt ⁴ | Ratio: 9.31 Passed ⁶ | Ratio: 12.06 Passed ⁶ | Ratio: 13.68 Passed ⁶ |
| Hex(00CBC9) | Ratio: 1.32 Failed ⁵ | | Ratio: 1.34 Failed ⁵ | Ratio: 1.84 Failed ⁵ | Ratio: 2.56 Failed ⁵ | Ratio: 3.65 AA 18pt ² | Ratio: 5.20 AA ¹ AAA 18pt ⁴ | Ratio: 7.07 Passed ⁶ | Ratio: 9.16 Passed ⁶ | Ratio: 10.39 Passed ⁶ |
| Hex(00AFAE) | Ratio: 1.77 Failed ⁵ | Ratio: 1.34 Failed ⁵ | | Ratio: 1.37 Failed ⁵ | Ratio: 1.91 Failed ⁵ | Ratio: 2.72 Failed ⁵ | Ratio: 3.88 AA 18pt ² | Ratio: 5.27 AA ¹ AAA 18pt ⁴ | Ratio: 6.83 AA ¹ AAA 18pt ⁴ | Ratio: 7.74 Passed ⁶ |
| Hex(009493) | Ratio: 2.42 Failed ⁵ | Ratio: 1.84 Failed ⁵ | Ratio: 1.37 Failed ⁵ | | Ratio: 1.39 Failed ⁵ | Ratio: 1.99 Failed ⁵ | Ratio: 2.83 Failed ⁵ | Ratio: 3.85 AA 18pt ² | Ratio: 4.99 AA ¹ AAA 18pt ⁴ | Ratio: 5.66 AA ¹ AAA 18pt ⁴ |
| Hex(007A79) | Ratio: 3.37 AA 18pt ² | Ratio: 2.56 Failed ⁵ | Ratio: 1.91 Failed ⁵ | Ratio: 1.39 Failed ⁵ | | Ratio: 1.43 Failed ⁵ | Ratio: 2.03 Failed ⁵ | Ratio: 2.76 Failed ⁵ | Ratio: 3.58 AA 18pt ² | Ratio: 4.06 AA 18pt ² |
| Hex(006061) | Ratio: 4.81 AA ¹ AAA 18pt ⁴ | Ratio: 3.65 AA 18pt ² | Ratio: 2.72 Failed ⁵ | Ratio: 1.99 Failed ⁵ | Ratio: 1.43 Failed ⁵ | | Ratio: 1.42 Failed ⁵ | Ratio: 1.94 Failed ⁵ | Ratio: 2.51 Failed ⁵ | Ratio: 2.85 Failed ⁵ |
| Hex(004749) | Ratio: 6.85 AA ¹ AAA 18pt ⁴ | Ratio: 5.20 AA ¹ AAA 18pt ⁴ | Ratio: 3.88 AA 18pt ² | Ratio: 2.83 Failed ⁵ | Ratio: 2.03 Failed ⁵ | Ratio: 1.42 Failed ⁵ | | Ratio: 1.36 Failed ⁵ | Ratio: 1.76 Failed ⁵ | Ratio: 2.00 Failed ⁵ |
| Hex(003032) | Ratio: 9.31 Passed ⁶ | Ratio: 7.07 Passed ⁶ | Ratio: 5.27 AA ¹ AAA 18pt ⁴ | Ratio: 3.85 AA 18pt ² | Ratio: 2.76 Failed ⁵ | Ratio: 1.94 Failed ⁵ | Ratio: 1.36 Failed ⁵ | | Ratio: 1.30 Failed ⁵ | Ratio: 1.47 Failed ⁵ |
| Hex(00161E) | Ratio: 12.06 Passed ⁶ | Ratio: 9.16 Passed ⁶ | Ratio: 6.83 AA ¹ AAA 18pt ⁴ | Ratio: 4.99 AA ¹ AAA 18pt ⁴ | Ratio: 3.58 AA 18pt ² | Ratio: 2.51 Failed ⁵ | Ratio: 1.76 Failed ⁵ | Ratio: 1.30 Failed ⁵ | | Ratio: 1.13 Failed ⁵ |
| Hex(000000) | Ratio: 13.68 Passed ⁶ | Ratio: 10.39 Passed ⁶ | Ratio: 7.74 Passed ⁶ | Ratio: 5.66 AA ¹ AAA 18pt ⁴ | Ratio: 4.06 AA 18pt ² | Ratio: 2.85 Failed ⁵ | Ratio: 2.00 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.13 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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