

Converting Colors - WCAG Matrix

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

| | Hex(61B0B2) | Hex(459597) | Hex(277B7D) | Hex(006264) | Hex(004A4D) | Hex(003336) | Hex(001F21) | Hex(000009) | Hex(000000) |
|-------------|---|---|-------------------------------------|------------------------------------|-------------------------------------|---|---|---|---|
| Hex(61B0B2) | | Ratio: 1.39 Failed ⁵ | Ratio: 1.98 Failed ⁵ | Ratio: 2.85 Failed ⁵ | Ratio: 4.01 AA 18pt ² | Ratio: 5.48 AA ¹ AAA 18pt ⁴ | Ratio: 6.86 AA ¹ AAA 18pt ⁴ | Ratio: 8.33 Passed ⁶ | Ratio: 8.36 Passed ⁶ |
| Hex(459597) | Ratio: 1.39 Failed ⁵ | | Ratio: 1.42 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 2.87 Failed ⁵ | Ratio: 3.93 AA 18pt ² | Ratio: 4.93 AA ¹ AAA 18pt ⁴ | Ratio: 5.97 AA ¹ AAA 18pt ⁴ | Ratio: 6.00 AA ¹ AAA 18pt ⁴ |
| Hex(277B7D) | Ratio: 1.98 Failed ⁵ | Ratio: 1.42 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 2.02 Failed ⁵ | Ratio: 2.76 Failed ⁵ | Ratio: 3.46 AA 18pt ² | Ratio: 4.20 AA 18pt ² | Ratio: 4.22 AA 18pt ² |
| Hex(006264) | Ratio: 2.85 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.40 Failed ⁵ | Ratio: 1.92 Failed ⁵ | Ratio: 2.41 Failed ⁵ | Ratio: 2.92 Failed ⁵ | Ratio: 2.93 Failed ⁵ |
| Hex(004A4D) | Ratio: 4.01 AA 18pt ² | Ratio: 2.87 Failed ⁵ | Ratio: 2.02 Failed ⁵ | Ratio: 1.40 Failed ⁵ | | Ratio: 1.37 Failed ⁵ | Ratio: 1.71 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 2.09 Failed ⁵ |
| Hex(003336) | Ratio: 5.48 AA ¹ AAA 18pt ⁴ | Ratio: 3.93 AA 18pt ² | Ratio: 2.76 Failed ⁵ | Ratio: 1.92 Failed ⁵ | Ratio: 1.37 Failed ⁵ | | Ratio: 1.25 Failed ⁵ | Ratio: 1.52 Failed ⁵ | Ratio: 1.53 Failed ⁵ |
| Hex(001F21) | Ratio: 6.86 AA ¹ AAA 18pt ⁴ | Ratio: 4.93 AA ¹ AAA 18pt ⁴ | Ratio: 3.46 AA 18pt ² | Ratio: 2.41 Failed ⁵ | Ratio: 1.71 Failed ⁵ | Ratio: 1.25 Failed ⁵ | | Ratio: 1.21 Failed ⁵ | Ratio: 1.22 Failed ⁵ |
| Hex(000009) | Ratio: 8.33 Passed ⁶ | Ratio: 5.97 AA ¹ AAA 18pt ⁴ | Ratio: 4.20 AA 18pt ² | Ratio: 2.92 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 1.52 Failed ⁵ | Ratio: 1.21 Failed ⁵ | | Ratio: 1.00 Failed ⁵ |
| Hex(000000) | Ratio: 8.36 Passed ⁶ | Ratio: 6.00 AA ¹ AAA 18pt ⁴ | Ratio: 4.22 AA 18pt ² | Ratio: 2.93 Failed ⁵ | Ratio: 2.09 Failed ⁵ | Ratio: 1.53 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.00 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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