

Converting Colors - WCAG Matrix

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

Hex(ACA3A8) Hex(91898E) Hex(787074) Hex(5F575C) Hex(474044) Hex(312A2E) Hex(1C1619) Hex(000000)

| | Hex(ACA3A8) | Hex(91898E) | Hex(787074) | Hex(5F575C) | Hex(474044) | Hex(312A2E) | Hex(1C1619) | Hex(000000) |
|-------------|---|---|-------------------------------------|-------------------------------------|-------------------------------------|---|---|---|
| Hex(ACA3A8) | | Ratio: 1.39 Failed ⁵ | Ratio: 1.96 Failed ⁵ | Ratio: 2.85 Failed ⁵ | Ratio: 4.11 AA 18pt ² | Ratio: 5.70 AA ¹ AAA 18pt ⁴ | Ratio: 7.26 Passed ⁶ | Ratio: 8.56 Passed ⁶ |
| Hex(91898E) | Ratio: 1.39 Failed ⁵ | | Ratio: 1.41 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 2.96 Failed ⁵ | Ratio: 4.11 AA 18pt ² | Ratio: 5.24 AA ¹ AAA 18pt ⁴ | Ratio: 6.17 AA ¹ AAA 18pt ⁴ |
| Hex(787074) | Ratio: 1.96 Failed ⁵ | Ratio: 1.41 Failed ⁵ | | Ratio: 1.45 Failed ⁵ | Ratio: 2.10 Failed ⁵ | Ratio: 2.91 Failed ⁵ | Ratio: 3.71 AA 18pt ² | Ratio: 4.37 AA 18pt ² |
| Hex(5F575C) | Ratio: 2.85 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 1.45 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 2.00 Failed ⁵ | Ratio: 2.55 Failed ⁵ | Ratio: 3.00 AA 18pt ² |
| Hex(474044) | Ratio: 4.11 AA 18pt ² | Ratio: 2.96 Failed ⁵ | Ratio: 2.10 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.39 Failed ⁵ | Ratio: 1.77 Failed ⁵ | Ratio: 2.08 Failed ⁵ |
| Hex(312A2E) | Ratio: 5.70 AA ¹ AAA 18pt ⁴ | Ratio: 4.11 AA 18pt ² | Ratio: 2.91 Failed ⁵ | Ratio: 2.00 Failed ⁵ | Ratio: 1.39 Failed ⁵ | | Ratio: 1.27 Failed ⁵ | Ratio: 1.50 Failed ⁵ |
| Hex(1C1619) | Ratio: 7.26 Passed ⁶ | Ratio: 5.24 AA ¹ AAA 18pt ⁴ | Ratio: 3.71 AA 18pt ² | Ratio: 2.55 Failed ⁵ | Ratio: 1.77 Failed ⁵ | Ratio: 1.27 Failed ⁵ | | Ratio: 1.18 Failed ⁵ |
| Hex(000000) | Ratio: 8.56 Passed ⁶ | Ratio: 6.17 AA ¹ AAA 18pt ⁴ | Ratio: 4.37 AA 18pt ² | Ratio: 3.00 AA 18pt ² | Ratio: 2.08 Failed ⁵ | Ratio: 1.50 Failed ⁵ | Ratio: 1.18 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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