

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(839E97) Hex(C4CFCC) Hex(8A9E83) Hex(626967) Hex(E8E8E8) Hex(696969)

| | Hex(839E97) | Hex(C4CFCC) | Hex(8A9E83) | Hex(626967) | Hex(E8E8E8) | Hex(696969) |
|-------------|---|--|---|---|---|--|
| Hex(839E97) | | Ratio: 1.80 Failed⁵ | Ratio: 1.00 Failed⁵ | Ratio: 1.95 Failed⁵ | Ratio: 2.35 Failed⁵ | Ratio: 1.91 Failed⁵ |
| Hex(C4CFCC) | Ratio: 1.80 Failed⁵ | | Ratio: 1.80 Failed⁵ | Ratio: 3.52 AA 18pt² | Ratio: 1.30 Failed⁵ | Ratio: 3.44 AA 18pt² |
| Hex(8A9E83) | Ratio: 1.00 Failed⁵ | Ratio: 1.80 Failed⁵ | | Ratio: 1.95 Failed⁵ | Ratio: 2.35 Failed⁵ | Ratio: 1.91 Failed⁵ |
| Hex(626967) | Ratio: 1.95 Failed⁵ | Ratio: 3.52 AA 18pt² | Ratio: 1.95 Failed⁵ | | Ratio: 4.59 AA¹ AAA 18pt⁴ | Ratio: 1.02 Failed⁵ |
| Hex(E8E8E8) | Ratio: 2.35 Failed⁵ | Ratio: 1.30 Failed⁵ | Ratio: 2.35 Failed⁵ | Ratio: 4.59 AA¹ AAA 18pt⁴ | | Ratio: 4.48 AA 18pt² |
| Hex(696969) | Ratio: 1.91 Failed⁵ | Ratio: 3.44 AA 18pt² | Ratio: 1.91 Failed⁵ | Ratio: 1.02 Failed⁵ | Ratio: 4.48 AA 18pt² | |

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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