

Converting Colors - WCAG Matrix

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

| | Hex(666462) | Hex(66696C) | Hex(666E76) | Hex(667380) | Hex(66788B) | Hex(667C95) | Hex(66819F) | Hex(6686A9) | Hex(668BB4) | Hex(6690BE) |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(666462) | | Ratio: 1.07 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.46 Failed ⁵ | Ratio: 1.56 Failed ⁵ | Ratio: 1.66 Failed ⁵ | Ratio: 1.77 Failed ⁵ |
| Hex(66696C) | Ratio: 1.07 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.46 Failed ⁵ | Ratio: 1.56 Failed ⁵ | Ratio: 1.66 Failed ⁵ |
| Hex(666E76) | Ratio: 1.14 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.46 Failed ⁵ | Ratio: 1.55 Failed ⁵ |
| Hex(667380) | Ratio: 1.21 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.45 Failed ⁵ |
| Hex(66788B) | Ratio: 1.30 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.36 Failed ⁵ |
| Hex(667C95) | Ratio: 1.37 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.29 Failed ⁵ |
| Hex(66819F) | Ratio: 1.46 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.21 Failed ⁵ |
| Hex(6686A9) | Ratio: 1.56 Failed ⁵ | Ratio: 1.46 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.14 Failed ⁵ |
| Hex(668BB4) | Ratio: 1.66 Failed ⁵ | Ratio: 1.56 Failed ⁵ | Ratio: 1.46 Failed ⁵ | Ratio: 1.37 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.06 Failed ⁵ |
| Hex(6690BE) | Ratio: 1.77 Failed ⁵ | Ratio: 1.66 Failed ⁵ | Ratio: 1.55 Failed ⁵ | Ratio: 1.45 Failed ⁵ | Ratio: 1.36 Failed ⁵ | Ratio: 1.29 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.06 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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