

Converting Colors - WCAG Matrix

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

| | Hex(4E2727) | Hex(FFFFFF) | Hex(815554) | Hex(9C6E6C) | Hex(B78785) | Hex(D4A1A0) | Hex(F0BDBA) | Hex(FFD8D6) | Hex(FFF5F3) |
|-------------|---|---|---|-------------------------------------|-------------------------------------|---|-------------------------------------|---|---|
| Hex(4E2727) | | Ratio: 12.78 Passed ⁶ | Ratio: 2.05 Failed ⁵ | Ratio: 2.96 Failed ⁵ | Ratio: 4.15 AA 18pt ² | Ratio: 5.72 AA ¹ AAA 18pt ⁴ | Ratio: 7.72 Passed ⁶ | Ratio: 9.76 Passed ⁶ | Ratio: 11.93 Passed ⁶ |
| Hex(FFFFFF) | Ratio: 12.78 Passed ⁶ | | Ratio: 6.25 AA ¹ AAA 18pt ⁴ | Ratio: 4.32 AA 18pt ² | Ratio: 3.08 AA 18pt ² | Ratio: 2.23 Failed ⁵ | Ratio: 1.65 Failed ⁵ | Ratio: 1.31 Failed ⁵ | Ratio: 1.07 Failed ⁵ |
| Hex(815554) | Ratio: 2.05 Failed ⁵ | Ratio: 6.25 AA ¹ AAA 18pt ⁴ | | Ratio: 1.45 Failed ⁵ | Ratio: 2.03 Failed ⁵ | Ratio: 2.80 Failed ⁵ | Ratio: 3.78 AA 18pt ² | Ratio: 4.77 AA ¹ AAA 18pt ⁴ | Ratio: 5.83 AA ¹ AAA 18pt ⁴ |
| Hex(9C6E6C) | Ratio: 2.96 Failed ⁵ | Ratio: 4.32 AA 18pt ² | Ratio: 1.45 Failed ⁵ | | Ratio: 1.40 Failed ⁵ | Ratio: 1.94 Failed ⁵ | Ratio: 2.61 Failed ⁵ | Ratio: 3.30 AA 18pt ² | Ratio: 4.03 AA 18pt ² |
| Hex(B78785) | Ratio: 4.15 AA 18pt ² | Ratio: 3.08 AA 18pt ² | Ratio: 2.03 Failed ⁵ | Ratio: 1.40 Failed ⁵ | | Ratio: 1.38 Failed ⁵ | Ratio: 1.86 Failed ⁵ | Ratio: 2.35 Failed ⁵ | Ratio: 2.88 Failed ⁵ |
| Hex(D4A1A0) | Ratio: 5.72 AA ¹ AAA 18pt ⁴ | Ratio: 2.23 Failed ⁵ | Ratio: 2.80 Failed ⁵ | Ratio: 1.94 Failed ⁵ | Ratio: 1.38 Failed ⁵ | | Ratio: 1.35 Failed ⁵ | Ratio: 1.71 Failed ⁵ | Ratio: 2.08 Failed ⁵ |
| Hex(F0BDBA) | Ratio: 7.72 Passed ⁶ | Ratio: 1.65 Failed ⁵ | Ratio: 3.78 AA 18pt ² | Ratio: 2.61 Failed ⁵ | Ratio: 1.86 Failed ⁵ | Ratio: 1.35 Failed ⁵ | | Ratio: 1.26 Failed ⁵ | Ratio: 1.54 Failed ⁵ |
| Hex(FFD8D6) | Ratio: 9.76 Passed ⁶ | Ratio: 1.31 Failed ⁵ | Ratio: 4.77 AA ¹ AAA 18pt ⁴ | Ratio: 3.30 AA 18pt ² | Ratio: 2.35 Failed ⁵ | Ratio: 1.71 Failed ⁵ | Ratio: 1.26 Failed ⁵ | | Ratio: 1.22 Failed ⁵ |
| Hex(FFF5F3) | Ratio: 11.93 Passed ⁶ | Ratio: 1.07 Failed ⁵ | Ratio: 5.83 AA ¹ AAA 18pt ⁴ | Ratio: 4.03 AA 18pt ² | Ratio: 2.88 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 1.54 Failed ⁵ | Ratio: 1.22 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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