

Converting Colors - WCAG Matrix

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

| | Hex(E5FACC) | Hex(C9DDB0) | Hex(ADC296) | Hex(92A67C) | Hex(798C63) | Hex(5F724B) | Hex(475A34) | Hex(30421E) | Hex(1B2C07) | Hex(001900) |
|-------------|---|---|---|---|---|---|---|---|---|---|
| Hex(E5FACC) | | Ratio: 1.31 Failed ⁵ | Ratio: 1.73 Failed ⁵ | Ratio: 2.37 Failed ⁵ | Ratio: 3.29 AA 18pt ² | Ratio: 4.73 AA ¹ AAA 18pt ⁴ | Ratio: 6.79 AA ¹ AAA 18pt ⁴ | Ratio: 9.81 Passed ⁶ | Ratio: 13.39 Passed ⁶ | Ratio: 16.57 Passed ⁶ |
| Hex(C9DDB0) | Ratio: 1.31 Failed ⁵ | | Ratio: 1.32 Failed ⁵ | Ratio: 1.81 Failed ⁵ | Ratio: 2.52 Failed ⁵ | Ratio: 3.62 AA 18pt ² | Ratio: 5.20 AA ¹ AAA 18pt ⁴ | Ratio: 7.51 Passed ⁶ | Ratio: 10.25 Passed ⁶ | Ratio: 12.69 Passed ⁶ |
| Hex(ADC296) | Ratio: 1.73 Failed ⁵ | Ratio: 1.32 Failed ⁵ | | Ratio: 1.37 Failed ⁵ | Ratio: 1.90 Failed ⁵ | Ratio: 2.74 Failed ⁵ | Ratio: 3.93 AA 18pt ² | Ratio: 5.68 AA ¹ AAA 18pt ⁴ | Ratio: 7.75 Passed ⁶ | Ratio: 9.60 Passed ⁶ |
| Hex(92A67C) | Ratio: 2.37 Failed ⁵ | Ratio: 1.81 Failed ⁵ | Ratio: 1.37 Failed ⁵ | | Ratio: 1.39 Failed ⁵ | Ratio: 1.99 Failed ⁵ | Ratio: 2.87 Failed ⁵ | Ratio: 4.14 AA 18pt ² | Ratio: 5.65 AA ¹ AAA 18pt ⁴ | Ratio: 7.00 Passed ⁶ |
| Hex(798C63) | Ratio: 3.29 AA 18pt ² | Ratio: 2.52 Failed ⁵ | Ratio: 1.90 Failed ⁵ | Ratio: 1.39 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 2.07 Failed ⁵ | Ratio: 2.99 Failed ⁵ | Ratio: 4.07 AA 18pt ² | Ratio: 5.04 AA ¹ AAA 18pt ⁴ |
| Hex(5F724B) | Ratio: 4.73 AA ¹ AAA 18pt ⁴ | Ratio: 3.62 AA 18pt ² | Ratio: 2.74 Failed ⁵ | Ratio: 1.99 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 2.83 Failed ⁵ | Ratio: 3.51 AA 18pt ² |
| Hex(475A34) | Ratio: 6.79 AA ¹ AAA 18pt ⁴ | Ratio: 5.20 AA ¹ AAA 18pt ⁴ | Ratio: 3.93 AA 18pt ² | Ratio: 2.87 Failed ⁵ | Ratio: 2.07 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.45 Failed ⁵ | Ratio: 1.97 Failed ⁵ | Ratio: 2.44 Failed ⁵ |
| Hex(30421E) | Ratio: 9.81 Passed ⁶ | Ratio: 7.51 Passed ⁶ | Ratio: 5.68 AA ¹ AAA 18pt ⁴ | Ratio: 4.14 AA 18pt ² | Ratio: 2.99 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 1.45 Failed ⁵ | | Ratio: 1.36 Failed ⁵ | Ratio: 1.69 Failed ⁵ |
| Hex(1B2C07) | Ratio: 13.39 Passed ⁶ | Ratio: 10.25 Passed ⁶ | Ratio: 7.75 Passed ⁶ | Ratio: 5.65 AA ¹ AAA 18pt ⁴ | Ratio: 4.07 AA 18pt ² | Ratio: 2.83 Failed ⁵ | Ratio: 1.97 Failed ⁵ | Ratio: 1.36 Failed ⁵ | | Ratio: 1.24 Failed ⁵ |
| Hex(001900) | Ratio: 16.57 Passed ⁶ | Ratio: 12.69 Passed ⁶ | Ratio: 9.60 Passed ⁶ | Ratio: 7.00 Passed ⁶ | Ratio: 5.04 AA ¹ AAA 18pt ⁴ | Ratio: 3.51 AA 18pt ² | Ratio: 2.44 Failed ⁵ | Ratio: 1.69 Failed ⁵ | Ratio: 1.24 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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