

Converting Colors - WCAG Matrix

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

Hex(E19B74) Hex(FFE6D9) Hex(E174BB) Hex(807169) Hex(000000) Hex(808080)

| | Hex(E19B74) | Hex(FFE6D9) | Hex(E174BB) | Hex(807169) | Hex(000000) | Hex(808080) |
|-------------|--|---|--|---|---|---|
| Hex(E19B74) | | Ratio: 1.92 Failed ⁵ | Ratio: 1.23 Failed ⁵ | Ratio: 2.04 Failed ⁵ | Ratio: 9.14 Passed ⁶ | Ratio: 1.72 Failed ⁵ |
| Hex(FFE6D9) | Ratio: 1.92 Failed ⁵ | | Ratio: 2.37 Failed ⁵ | Ratio: 3.92 AA 18pt ² | Ratio: 17.57 Passed ⁶ | Ratio: 3.30 AA 18pt ² |
| Hex(E174BB) | Ratio: 1.23 Failed ⁵ | Ratio: 2.37 Failed ⁵ | | Ratio: 1.65 Failed ⁵ | Ratio: 7.42 Passed ⁶ | Ratio: 1.39 Failed ⁵ |
| Hex(807169) | Ratio: 2.04 Failed ⁵ | Ratio: 3.92 AA 18pt ² | Ratio: 1.65 Failed ⁵ | | Ratio: 4.48 AA 18pt ² | Ratio: 1.19 Failed ⁵ |
| Hex(000000) | Ratio: 9.14 Passed ⁶ | Ratio: 17.57 Passed ⁶ | Ratio: 7.42 Passed ⁶ | Ratio: 4.48 AA 18pt ² | | Ratio: 5.32 AA ¹ AAA 18pt ⁴ |
| Hex(808080) | Ratio: 1.72 Failed ⁵ | Ratio: 3.30 AA 18pt ² | Ratio: 1.39 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 5.32 AA ¹ AAA 18pt ⁴ | |

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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