

Converting Colors - WCAG Matrix

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

Hex(F38601) Hex(FFDDB3) Hex(F30172) Hex(806B52) Hex(000000) Hex(808080)

| | Hex(F38601) | Hex(FFDDB3) | Hex(F30172) | Hex(806B52) | Hex(000000) | Hex(808080) |
|-------------|--|---|---|---|---|---|
| Hex(F38601) | | Ratio: 1.98 Failed ⁵ | Ratio: 1.63 Failed ⁵ | Ratio: 1.98 Failed ⁵ | Ratio: 8.22 Passed ⁶ | Ratio: 1.55 Failed ⁵ |
| Hex(FFDDB3) | Ratio: 1.98 Failed ⁵ | | Ratio: 3.21 AA 18pt ² | Ratio: 3.92 AA 18pt ² | Ratio: 16.25 Passed ⁶ | Ratio: 3.06 AA 18pt ² |
| Hex(F30172) | Ratio: 1.63 Failed ⁵ | Ratio: 3.21 AA 18pt ² | | Ratio: 1.22 Failed ⁵ | Ratio: 5.06 AA ¹ AAA 18pt ⁴ | Ratio: 1.05 Failed ⁵ |
| Hex(806B52) | Ratio: 1.98 Failed ⁵ | Ratio: 3.92 AA 18pt ² | Ratio: 1.22 Failed ⁵ | | Ratio: 4.14 AA 18pt ² | Ratio: 1.28 Failed ⁵ |
| Hex(000000) | Ratio: 8.22 Passed ⁶ | Ratio: 16.25 Passed ⁶ | Ratio: 5.06 AA ¹ AAA 18pt ⁴ | Ratio: 4.14 AA 18pt ² | | Ratio: 5.32 AA ¹ AAA 18pt ⁴ |
| Hex(808080) | Ratio: 1.55 Failed ⁵ | Ratio: 3.06 AA 18pt ² | Ratio: 1.05 Failed ⁵ | Ratio: 1.28 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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