

Converting Colors - WCAG Matrix

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

Hex(B08149) Hex(946831) Hex(78501A) Hex(5D3901) Hex(432300) Hex(2A0F00) Hex(020000) Hex(000000)

| | Hex(B08149) | Hex(946831) | Hex(78501A) | Hex(5D3901) | Hex(432300) | Hex(2A0F00) | Hex(020000) | Hex(000000) |
|-------------|---|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|---|---|---|
| Hex(B08149) | | Ratio: 1.42 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 2.97 Failed ⁵ | Ratio: 4.11 AA 18pt ² | Ratio: 5.21 AA ¹ AAA 18pt ⁴ | Ratio: 6.07 AA ¹ AAA 18pt ⁴ | Ratio: 6.08 AA ¹ AAA 18pt ⁴ |
| Hex(946831) | Ratio: 1.42 Failed ⁵ | | Ratio: 1.45 Failed ⁵ | Ratio: 2.09 Failed ⁵ | Ratio: 2.90 Failed ⁵ | Ratio: 3.67 AA 18pt ² | Ratio: 4.27 AA 18pt ² | Ratio: 4.28 AA 18pt ² |
| Hex(78501A) | Ratio: 2.05 Failed ⁵ | Ratio: 1.45 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 2.00 Failed ⁵ | Ratio: 2.54 Failed ⁵ | Ratio: 2.95 Failed ⁵ | Ratio: 2.96 Failed ⁵ |
| Hex(5D3901) | Ratio: 2.97 Failed ⁵ | Ratio: 2.09 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.39 Failed ⁵ | Ratio: 1.76 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 2.05 Failed ⁵ |
| Hex(432300) | Ratio: 4.11 AA 18pt ² | Ratio: 2.90 Failed ⁵ | Ratio: 2.00 Failed ⁵ | Ratio: 1.39 Failed ⁵ | | Ratio: 1.27 Failed ⁵ | Ratio: 1.48 Failed ⁵ | Ratio: 1.48 Failed ⁵ |
| Hex(2A0F00) | Ratio: 5.21 AA ¹ AAA 18pt ⁴ | Ratio: 3.67 AA 18pt ² | Ratio: 2.54 Failed ⁵ | Ratio: 1.76 Failed ⁵ | Ratio: 1.27 Failed ⁵ | | Ratio: 1.16 Failed ⁵ | Ratio: 1.17 Failed ⁵ |
| Hex(020000) | Ratio: 6.07 AA ¹ AAA 18pt ⁴ | Ratio: 4.27 AA 18pt ² | Ratio: 2.95 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 1.48 Failed ⁵ | Ratio: 1.16 Failed ⁵ | | Ratio: 1.00 Failed ⁵ |
| Hex(000000) | Ratio: 6.08 AA ¹ AAA 18pt ⁴ | Ratio: 4.28 AA 18pt ² | Ratio: 2.96 Failed ⁵ | Ratio: 2.05 Failed ⁵ | Ratio: 1.48 Failed ⁵ | Ratio: 1.17 Failed ⁵ | Ratio: 1.00 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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