

Converting Colors - WCAG Matrix

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

Hex(D0913A) Hex(B2771F) Hex(955F00) Hex(784700) Hex(5C3000) Hex(411B00) Hex(280500) Hex(000000)

| | Hex(D0913A) | Hex(B2771F) | Hex(955F00) | Hex(784700) | Hex(5C3000) | Hex(411B00) | Hex(280500) | Hex(000000) |
|-------------|---|---|-------------------------------------|------------------------------------|-------------------------------------|---|---|---|
| Hex(D0913A) | | Ratio: 1.40 Failed ⁵ | Ratio: 1.99 Failed ⁵ | Ratio: 2.89 Failed ⁵ | Ratio: 4.15 AA 18pt ² | Ratio: 5.64 AA ¹ AAA 18pt ⁴ | Ratio: 7.01 Passed ⁶ | Ratio: 7.79 Passed ⁶ |
| Hex(B2771F) | Ratio: 1.40 Failed ⁵ | | Ratio: 1.42 Failed ⁵ | Ratio: 2.06 Failed ⁵ | Ratio: 2.96 Failed ⁵ | Ratio: 4.02 AA 18pt ² | Ratio: 4.99 AA ¹ AAA 18pt ⁴ | Ratio: 5.55 AA ¹ AAA 18pt ⁴ |
| Hex(955F00) | Ratio: 1.99 Failed ⁵ | Ratio: 1.42 Failed ⁵ | | Ratio: 1.45 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 2.83 Failed ⁵ | Ratio: 3.52 AA 18pt ² | Ratio: 3.91 AA 18pt ² |
| Hex(784700) | Ratio: 2.89 Failed ⁵ | Ratio: 2.06 Failed ⁵ | Ratio: 1.45 Failed ⁵ | | Ratio: 1.44 Failed ⁵ | Ratio: 1.95 Failed ⁵ | Ratio: 2.43 Failed ⁵ | Ratio: 2.70 Failed ⁵ |
| Hex(5C3000) | Ratio: 4.15 AA 18pt ² | Ratio: 2.96 Failed ⁵ | Ratio: 2.08 Failed ⁵ | Ratio: 1.44 Failed ⁵ | | Ratio: 1.36 Failed ⁵ | Ratio: 1.69 Failed ⁵ | Ratio: 1.88 Failed ⁵ |
| Hex(411B00) | Ratio: 5.64 AA ¹ AAA 18pt ⁴ | Ratio: 4.02 AA 18pt ² | Ratio: 2.83 Failed ⁵ | Ratio: 1.95 Failed ⁵ | Ratio: 1.36 Failed ⁵ | | Ratio: 1.24 Failed ⁵ | Ratio: 1.38 Failed ⁵ |
| Hex(280500) | Ratio: 7.01 Passed ⁶ | Ratio: 4.99 AA ¹ AAA 18pt ⁴ | Ratio: 3.52 AA 18pt ² | Ratio: 2.43 Failed ⁵ | Ratio: 1.69 Failed ⁵ | Ratio: 1.24 Failed ⁵ | | Ratio: 1.11 Failed ⁵ |
| Hex(000000) | Ratio: 7.79 Passed ⁶ | Ratio: 5.55 AA ¹ AAA 18pt ⁴ | Ratio: 3.91 AA 18pt ² | Ratio: 2.70 Failed ⁵ | Ratio: 1.88 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.11 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.