

Converting Colors - WCAG Matrix

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

| | Hex(130F1F) | Hex(15121F) | Hex(18151F) | Hex(1A181F) | Hex(1C1B1F) | Hex(1F1F1F) | Hex(21221F) | Hex(23251F) | Hex(26281F) | Hex(282B1F) |
|-------------|--|--|--|--|--|--|--|--|--|--|
| Hex(130F1F) | | Ratio: 1.02 Failed ⁵ | Ratio: 1.04 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.26 Failed ⁵ | Ratio: 1.30 Failed ⁵ |
| Hex(15121F) | Ratio: 1.02 Failed ⁵ | | Ratio: 1.02 Failed ⁵ | Ratio: 1.05 Failed ⁵ | Ratio: 1.08 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.24 Failed ⁵ | Ratio: 1.28 Failed ⁵ |
| Hex(18151F) | Ratio: 1.04 Failed ⁵ | Ratio: 1.02 Failed ⁵ | | Ratio: 1.02 Failed ⁵ | Ratio: 1.05 Failed ⁵ | Ratio: 1.09 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.16 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.25 Failed ⁵ |
| Hex(1A181F) | Ratio: 1.07 Failed ⁵ | Ratio: 1.05 Failed ⁵ | Ratio: 1.02 Failed ⁵ | | Ratio: 1.03 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.22 Failed ⁵ |
| Hex(1C1B1F) | Ratio: 1.10 Failed ⁵ | Ratio: 1.08 Failed ⁵ | Ratio: 1.05 Failed ⁵ | Ratio: 1.03 Failed ⁵ | | Ratio: 1.04 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.19 Failed ⁵ |
| Hex(1F1F1F) | Ratio: 1.14 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.09 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.04 Failed ⁵ | | Ratio: 1.03 Failed ⁵ | Ratio: 1.06 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.14 Failed ⁵ |
| Hex(21221F) | Ratio: 1.18 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.03 Failed ⁵ | | Ratio: 1.03 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.11 Failed ⁵ |
| Hex(23251F) | Ratio: 1.22 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.16 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.06 Failed ⁵ | Ratio: 1.03 Failed ⁵ | | Ratio: 1.04 Failed ⁵ | Ratio: 1.07 Failed ⁵ |
| Hex(26281F) | Ratio: 1.26 Failed ⁵ | Ratio: 1.24 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.04 Failed ⁵ | | Ratio: 1.04 Failed ⁵ |
| Hex(282B1F) | Ratio: 1.30 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.25 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.07 Failed ⁵ | Ratio: 1.04 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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