

Converting Colors - WCAG Matrix

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

| | Hex(492618) | Hex(492B1F) | Hex(493027) | Hex(49362E) | Hex(493B35) | Hex(49403D) | Hex(494544) | Hex(494A4B) | Hex(495052) | Hex(49555A) |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(492618) | | Ratio: 1.05 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.25 Failed ⁵ | Ratio: 1.32 Failed ⁵ | Ratio: 1.41 Failed ⁵ | Ratio: 1.50 Failed ⁵ | Ratio: 1.62 Failed ⁵ | Ratio: 1.73 Failed ⁵ |
| Hex(492B1F) | Ratio: 1.05 Failed ⁵ | | Ratio: 1.05 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.26 Failed ⁵ | Ratio: 1.35 Failed ⁵ | Ratio: 1.43 Failed ⁵ | Ratio: 1.55 Failed ⁵ | Ratio: 1.66 Failed ⁵ |
| Hex(493027) | Ratio: 1.10 Failed ⁵ | Ratio: 1.05 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.36 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.57 Failed ⁵ |
| Hex(49362E) | Ratio: 1.18 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.48 Failed ⁵ |
| Hex(493B35) | Ratio: 1.25 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.39 Failed ⁵ |
| Hex(49403D) | Ratio: 1.32 Failed ⁵ | Ratio: 1.26 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.31 Failed ⁵ |
| Hex(494544) | Ratio: 1.41 Failed ⁵ | Ratio: 1.35 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.23 Failed ⁵ |
| Hex(494A4B) | Ratio: 1.50 Failed ⁵ | Ratio: 1.43 Failed ⁵ | Ratio: 1.36 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.13 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.08 Failed ⁵ | Ratio: 1.15 Failed ⁵ |
| Hex(495052) | Ratio: 1.62 Failed ⁵ | Ratio: 1.55 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.08 Failed ⁵ | | Ratio: 1.07 Failed ⁵ |
| Hex(49555A) | Ratio: 1.73 Failed ⁵ | Ratio: 1.66 Failed ⁵ | Ratio: 1.57 Failed ⁵ | Ratio: 1.48 Failed ⁵ | Ratio: 1.39 Failed ⁵ | Ratio: 1.31 Failed ⁵ | Ratio: 1.23 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.07 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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