

Converting Colors - WCAG Matrix

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

Hex(525A7A) Hex(45507A) Hex(39477A) Hex(2D3D7A) Hex(21337A) Hex(14297A) Hex(08207A) Hex(00197A)

| | Hex(525A7A) | Hex(45507A) | Hex(39477A) | Hex(2D3D7A) | Hex(21337A) | Hex(14297A) | Hex(08207A) | Hex(00197A) |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(525A7A) | | Ratio: 1.16 Failed ⁵ | Ratio: 1.32 Failed ⁵ | Ratio: 1.51 Failed ⁵ | Ratio: 1.71 Failed ⁵ | Ratio: 1.91 Failed ⁵ | Ratio: 2.07 Failed ⁵ | Ratio: 2.18 Failed ⁵ |
| Hex(45507A) | Ratio: 1.16 Failed ⁵ | | Ratio: 1.14 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.65 Failed ⁵ | Ratio: 1.79 Failed ⁵ | Ratio: 1.89 Failed ⁵ |
| Hex(39477A) | Ratio: 1.32 Failed ⁵ | Ratio: 1.14 Failed ⁵ | | Ratio: 1.14 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.45 Failed ⁵ | Ratio: 1.57 Failed ⁵ | Ratio: 1.66 Failed ⁵ |
| Hex(2D3D7A) | Ratio: 1.51 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.14 Failed ⁵ | | Ratio: 1.13 Failed ⁵ | Ratio: 1.27 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.45 Failed ⁵ |
| Hex(21337A) | Ratio: 1.71 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.13 Failed ⁵ | | Ratio: 1.12 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.28 Failed ⁵ |
| Hex(14297A) | Ratio: 1.91 Failed ⁵ | Ratio: 1.65 Failed ⁵ | Ratio: 1.45 Failed ⁵ | Ratio: 1.27 Failed ⁵ | Ratio: 1.12 Failed ⁵ | | Ratio: 1.09 Failed ⁵ | Ratio: 1.15 Failed ⁵ |
| Hex(08207A) | Ratio: 2.07 Failed ⁵ | Ratio: 1.79 Failed ⁵ | Ratio: 1.57 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.09 Failed ⁵ | | Ratio: 1.05 Failed ⁵ |
| Hex(00197A) | Ratio: 2.18 Failed ⁵ | Ratio: 1.89 Failed ⁵ | Ratio: 1.66 Failed ⁵ | Ratio: 1.45 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.05 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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