

Converting Colors - WCAG Matrix

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

| | Hex(D4B5D5) | Hex(D3A0D5) | Hex(D38AD5) | Hex(D275D5) | Hex(D160D5) | Hex(D14BD5) | Hex(D035D5) | Hex(CF20D5) | Hex(CF0BD5) | Hex(CE00D5) |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(D4B5D5) | | Ratio: 1.17 Failed ⁵ | Ratio: 1.36 Failed ⁵ | Ratio: 1.57 Failed ⁵ | Ratio: 1.79 Failed ⁵ | Ratio: 2.00 Failed ⁵ | Ratio: 2.21 Failed ⁵ | Ratio: 2.36 Failed ⁵ | Ratio: 2.44 Failed ⁵ | Ratio: 2.48 Failed ⁵ |
| Hex(D3A0D5) | Ratio: 1.17 Failed ⁵ | | Ratio: 1.17 Failed ⁵ | Ratio: 1.35 Failed ⁵ | Ratio: 1.54 Failed ⁵ | Ratio: 1.72 Failed ⁵ | Ratio: 1.89 Failed ⁵ | Ratio: 2.02 Failed ⁵ | Ratio: 2.09 Failed ⁵ | Ratio: 2.13 Failed ⁵ |
| Hex(D38AD5) | Ratio: 1.36 Failed ⁵ | Ratio: 1.17 Failed ⁵ | | Ratio: 1.15 Failed ⁵ | Ratio: 1.32 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.62 Failed ⁵ | Ratio: 1.74 Failed ⁵ | Ratio: 1.79 Failed ⁵ | Ratio: 1.82 Failed ⁵ |
| Hex(D275D5) | Ratio: 1.57 Failed ⁵ | Ratio: 1.35 Failed ⁵ | Ratio: 1.15 Failed ⁵ | | Ratio: 1.14 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.41 Failed ⁵ | Ratio: 1.50 Failed ⁵ | Ratio: 1.55 Failed ⁵ | Ratio: 1.58 Failed ⁵ |
| Hex(D160D5) | Ratio: 1.79 Failed ⁵ | Ratio: 1.54 Failed ⁵ | Ratio: 1.32 Failed ⁵ | Ratio: 1.14 Failed ⁵ | | Ratio: 1.12 Failed ⁵ | Ratio: 1.23 Failed ⁵ | Ratio: 1.32 Failed ⁵ | Ratio: 1.36 Failed ⁵ | Ratio: 1.38 Failed ⁵ |
| Hex(D14BD5) | Ratio: 2.00 Failed ⁵ | Ratio: 1.72 Failed ⁵ | Ratio: 1.47 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.12 Failed ⁵ | | Ratio: 1.10 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.24 Failed ⁵ |
| Hex(D035D5) | Ratio: 2.21 Failed ⁵ | Ratio: 1.89 Failed ⁵ | Ratio: 1.62 Failed ⁵ | Ratio: 1.41 Failed ⁵ | Ratio: 1.23 Failed ⁵ | Ratio: 1.10 Failed ⁵ | | Ratio: 1.07 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.12 Failed ⁵ |
| Hex(CF20D5) | Ratio: 2.36 Failed ⁵ | Ratio: 2.02 Failed ⁵ | Ratio: 1.74 Failed ⁵ | Ratio: 1.50 Failed ⁵ | Ratio: 1.32 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.07 Failed ⁵ | | Ratio: 1.03 Failed ⁵ | Ratio: 1.05 Failed ⁵ |
| Hex(CF0BD5) | Ratio: 2.44 Failed ⁵ | Ratio: 2.09 Failed ⁵ | Ratio: 1.79 Failed ⁵ | Ratio: 1.55 Failed ⁵ | Ratio: 1.36 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.03 Failed ⁵ | | Ratio: 1.02 Failed ⁵ |
| Hex(CE00D5) | Ratio: 2.48 Failed ⁵ | Ratio: 2.13 Failed ⁵ | Ratio: 1.82 Failed ⁵ | Ratio: 1.58 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.24 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.05 Failed ⁵ | Ratio: 1.02 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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