

Converting Colors - WCAG Matrix

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

| | Hex(81B099) | Hex(92B0A1) | Hex(A4B0AA) | Hex(B5B0B3) | Hex(C7B0BB) | Hex(D9B0C4) | Hex(EAB0CD) | Hex(FCB0D6) | Hex(FFB0DE) | Hex(FFB0E7) |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(81B099) | | Ratio: 1.04 Failed ⁵ | Ratio: 1.09 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.20 Failed ⁵ | Ratio: 1.27 Failed ⁵ | Ratio: 1.35 Failed ⁵ | Ratio: 1.43 Failed ⁵ | Ratio: 1.45 Failed ⁵ | Ratio: 1.47 Failed ⁵ |
| Hex(92B0A1) | Ratio: 1.04 Failed ⁵ | | Ratio: 1.05 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.16 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.40 Failed ⁵ | Ratio: 1.41 Failed ⁵ |
| Hex(A4B0AA) | Ratio: 1.09 Failed ⁵ | Ratio: 1.05 Failed ⁵ | | Ratio: 1.05 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.17 Failed ⁵ | Ratio: 1.24 Failed ⁵ | Ratio: 1.31 Failed ⁵ | Ratio: 1.34 Failed ⁵ | Ratio: 1.35 Failed ⁵ |
| Hex(B5B0B3) | Ratio: 1.14 Failed ⁵ | Ratio: 1.10 Failed ⁵ | Ratio: 1.05 Failed ⁵ | | Ratio: 1.05 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.25 Failed ⁵ | Ratio: 1.27 Failed ⁵ | Ratio: 1.28 Failed ⁵ |
| Hex(C7B0BB) | Ratio: 1.20 Failed ⁵ | Ratio: 1.16 Failed ⁵ | Ratio: 1.11 Failed ⁵ | Ratio: 1.05 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.22 Failed ⁵ |
| Hex(D9B0C4) | Ratio: 1.27 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.17 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.15 Failed ⁵ |
| Hex(EAB0CD) | Ratio: 1.35 Failed ⁵ | Ratio: 1.30 Failed ⁵ | Ratio: 1.24 Failed ⁵ | Ratio: 1.18 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.06 Failed ⁵ | Ratio: 1.08 Failed ⁵ | Ratio: 1.09 Failed ⁵ |
| Hex(FCB0D6) | Ratio: 1.43 Failed ⁵ | Ratio: 1.38 Failed ⁵ | Ratio: 1.31 Failed ⁵ | Ratio: 1.25 Failed ⁵ | Ratio: 1.19 Failed ⁵ | Ratio: 1.12 Failed ⁵ | Ratio: 1.06 Failed ⁵ | | Ratio: 1.02 Failed ⁵ | Ratio: 1.02 Failed ⁵ |
| Hex(FFB0DE) | Ratio: 1.45 Failed ⁵ | Ratio: 1.40 Failed ⁵ | Ratio: 1.34 Failed ⁵ | Ratio: 1.27 Failed ⁵ | Ratio: 1.21 Failed ⁵ | Ratio: 1.14 Failed ⁵ | Ratio: 1.08 Failed ⁵ | Ratio: 1.02 Failed ⁵ | | Ratio: 1.01 Failed ⁵ |
| Hex(FFB0E7) | Ratio: 1.47 Failed ⁵ | Ratio: 1.41 Failed ⁵ | Ratio: 1.35 Failed ⁵ | Ratio: 1.28 Failed ⁵ | Ratio: 1.22 Failed ⁵ | Ratio: 1.15 Failed ⁵ | Ratio: 1.09 Failed ⁵ | Ratio: 1.02 Failed ⁵ | Ratio: 1.01 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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