

Converting Colors - WCAG Matrix

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

Hex(FFFFFF) Hex(ECECFE) Hex(D0D0D0) Hex(B4B5E0) Hex(999AC4) Hex(7F80A9) Hex(65678E)

Hex(FFFFFF)	Ratio: 1.17 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	
Hex(ECECFE)	Ratio: 1.17 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	
Hex(D0D0D0)	Ratio: 1.49 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.64 AA 18pt ²	
Hex(B4B5E0)	Ratio: 1.98 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.74 Failed ⁵	
Hex(999AC4)	Ratio: 2.70 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	
Hex(7F80A9)	Ratio: 3.77 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.43 Failed ⁵	
Hex(65678E)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 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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