

Converting Colors - WCAG Matrix

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

Hex(4E7B7E) Hex(FFFFFF) Hex(81AFB2) Hex(9CCBCE) Hex(B7E7EA) Hex(D3FFFF) Hex(F0FFFF)

	Hex(4E7B7E)	Hex(FFFFFF)	Hex(81AFB2)	Hex(9CCBCE)	Hex(B7E7EA)	Hex(D3FFFF)	Hex(F0FFFF)
Hex(4E7B7E)		Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 1.95 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.38 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.71 AA ¹ AAA 18pt ⁴		Ratio: 2.41 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(81AFB2)	Ratio: 1.95 Failed ⁵	Ratio: 2.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(9CCBCE)	Ratio: 2.66 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(B7E7EA)	Ratio: 3.51 AA 18pt ²	Ratio: 1.34 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(D3FFFF)	Ratio: 4.38 AA 18pt ²	Ratio: 1.08 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F0FFFF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 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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