

HAN ACCESSIBILITY REPORT SNIFFNET

March 2025

1 INTRO

This report shows the results of an accessibility scan of Sniffnet, done by HAN University of Applied Sciences.

Method of testing

The auditing team at HAN includes students, researchers and lecturers in the field of IT and UX Design. Most of the testing is done manually with the use of a few tools, such as a screen reader. [Here's a list of the \(free\) testing tools we use.](#)

This is a quickscan, which is a check of the most common accessibility issues in a sample of pages/screens. The scan doesn't cover all accessibility criteria, so it is not a replacement for an official audit. If we find an issue we report it only once, this means that the issue might occur in other places.

We follow the criteria as described in the international standard for web accessibility: [WCAG 2.2 guidelines](#), level AA. Even though these are more oriented towards websites, they are excellent guidelines for desktop applications as well.

Scope of this quickscan

Operating system used: Windows 11 24H2 (OS Build 26100.2894)

Sniffnet version tested: 1.3.2

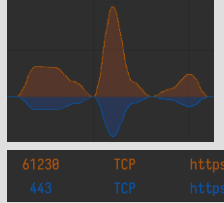


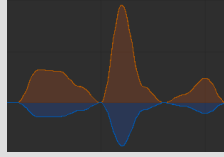


Summary

We are very impressed by the theme, language and zoom options, as well as the links in the footer with a description on hover. These features greatly improve accessibility.

In this report, we focused on the default theme, as users with accessibility needs must navigate using the default theme before applying a theme better suited for their specific needs. Using the default theme, we found a few locations where we recommend slightly increasing the contrast. We also tested the OLED dark and light themes in this [pull request](#).

However, when it comes to severely visually impaired and blind users, there are still improvements that can be made. We recommend providing navigation via keyboard and adding support for the most popular screen readers ([NVDA](#) and [JAWS](#)).

2 ISSUES

Nr	Issue	Location	Guideline	Example
1	The application cannot be navigated using the keyboard. By using 'tab' on your keyboard, you should be able to cycle through all interactive elements.	Everywhere except the tabs in the settings	<u>2.1.1 Keyboard</u>	
2	The application does not support the most popular screen readers (NVDA and JAWS). Assistive Technologies should be able to gather information about the user interface and assist screen reader users understanding the application by reading out the context.	Everywhere	<u>4.1.2 Name, Role, Value</u>	
3	Color is used to differentiate between incoming and outgoing traffic. However, another method such as text or an icon to indicate what the content means should also be used so people with color blindness can also tell the difference.	Analysis overview, Analysis Inspect	<u>1.4.1 Use of Color</u>	
4	Using the default theme, the contrast between small text and its background is insufficient. The contrast ratio should be at least 4.5:1. Using the OLED dark theme, only the contrast for the bronze text is insufficient. Using the OLED light theme, all light blue text has insufficient contrast.	Footer, Analysis Inspect Analys Inspect Everywhere	<u>1.4.3 Contrast (Minimum)</u>	<p>Made with ♥ by Giuliano Bellini</p> <p><i>Default theme</i></p>  <p><i>Default theme</i></p>  <p><i>OLED dark theme</i></p> <p>IP version</p> <p><i>OLED light theme</i></p>
5	Using the default theme, the contrast between the incoming/outgoing colors and the background is not sufficient. The contrast ratio should be at least 3:1.	Analysis overview	<u>1.4.11 Non-text Contrast</u>	
6	Some interactive elements provide a very subtle focus indicator when hovering over them with the mouse. This indicator is invisible using the OLED dark theme. People should be able to know which element has focus.	Homepage	<u>2.4.7 Focus Visible</u>	 <p><i>Unfocused</i></p>  <p><i>Focused (shadow)</i></p>

3 REFERENCES

- [Web Content Accessibility Guidelines \(WCAG\) 2.2](#)
- [How to Meet WCAG 2.2 Quick Reference](#)
- [HAN NGI website](#)
- [List of free tools HAN uses for accessibility testing](#)