Minesweeper on Launchpad

A quick intro to Web MIDI and using MIDI controllers for fun and ... fun



MIDI



The year is 1983

Serial Data

Ob1xxxxxxxx Command Ob0xxxxxxxx Data

[command, data, data, ...]

Output

```
out.send(
  [144, 24, 63]
)
```

Command (Note On)

Pad y:2 x:8

Color (Full Amber)

Colours?





Figure 4. The sixteen displayable colours of Launchpad S



Readers who are versed in the manipulation of binary will have worked out that bits 1 and 0 of the note velocity refer to the level of the red element, and bits 5 and 4 refer to the level of the green element. The red intensity is therefore varied by progressively

Input

```
midiIn.addEventHandler(
   'midimessage', function(event) {
   event.data =>
    [command, data, data]
});
```

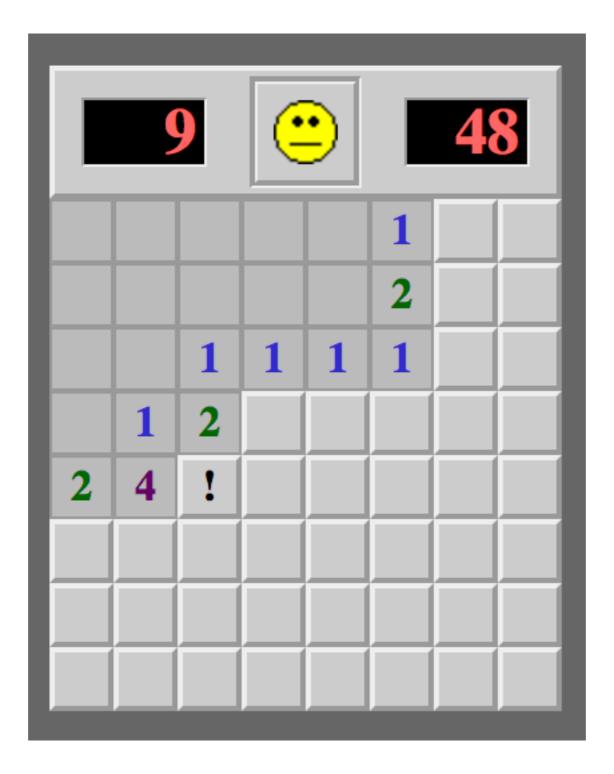
Press Button: Note On Release Button: Note Off

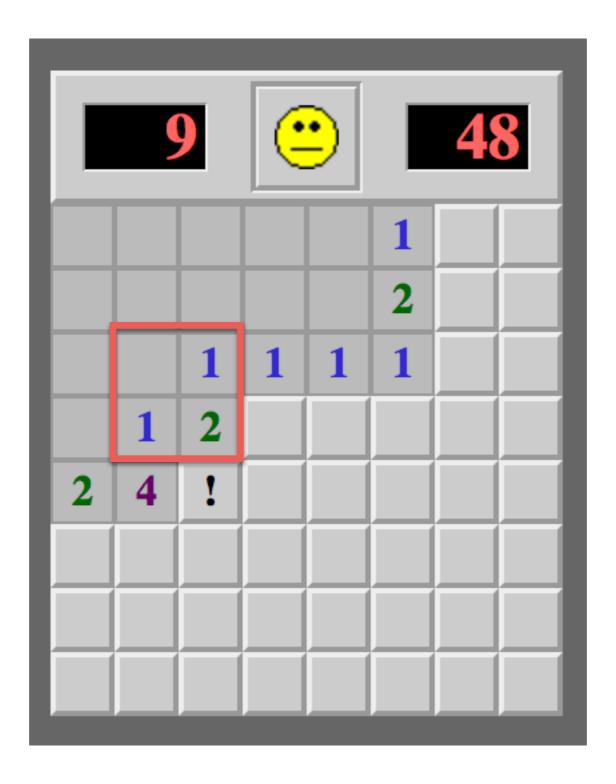
[144, 24, 127]

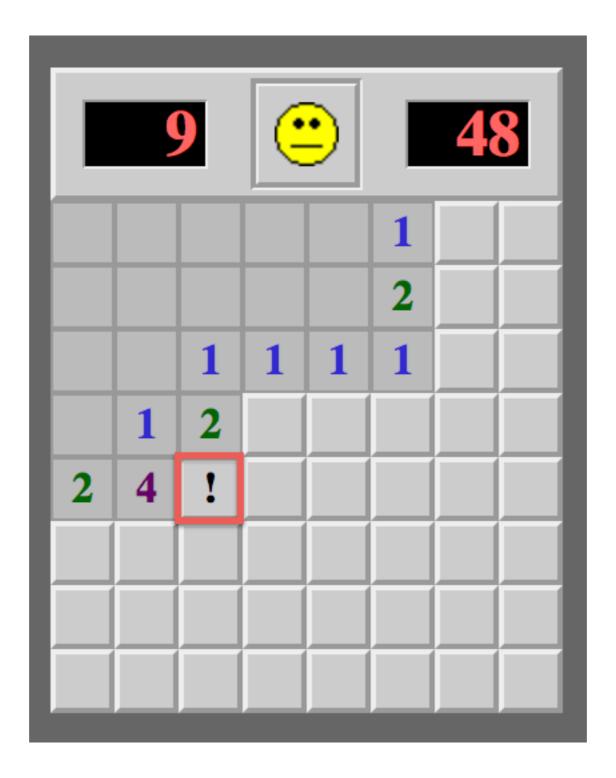
[144, 24, 0]

Minesweeper

UI Challenges







Let's go.

(Yeah, finally)

Links

- Original Implementation by <u>Andrew D. Birrell</u>
- Play it on GitHub (works without a LaunchPad)
- Source code