



# COLOR HUNTER

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**Game Type:** Action / Reaction

**Platform:** HTML5 / LED Floor

**Players:** 1-4 Players

**Grid Size:** 10 x 6 (60 tiles)

**Duration:** 90-300 seconds (configurable)

## 1. Game Overview

Color Hunter is a fast-paced color matching game where players must quickly identify and step on tiles that match the target color displayed on screen. The game tests reaction speed, color recognition, and spatial awareness.

## 2. Flow: How to Start the Game

**Step 1:** Open the game (Color Hunter.html)

**Step 2:** Select number of players (1-4 Players)

**Step 3:** Select game duration:

- 90 seconds (Short)
- 120 seconds (Normal)
- 180 seconds (Long)
- 300 seconds (Marathon)

**Step 4:** Click "START GAME" button

**Step 5:** Countdown 3-2-1 begins

**Step 6:** Game starts! Watch for target color and step on matching tiles

## 3. Gameplay Mechanics

### 3.1 Core Loop







1. A target color is displayed at the top of the screen
2. Colored tiles appear randomly on the 10x6 grid
3. Players must step on tiles matching the target color
4. Correct hit = Score points + Combo builds
5. Wrong color = Combo breaks
6. Target color changes every round

### 3.2 Scoring System

Action	Points
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Correct color hit	+10 points
Combo bonus (per combo)	+2 points
Wrong color hit	0 points (combo reset)

### 3.3 Available Colors

-  Red
-  Green
-  Blue
-  Yellow
-  Purple
-  Orange

## 4. Controls

**LED Floor Mode:** Players physically step on the colored tiles

**Keyboard Mode:** Click on tiles with mouse or use touch screen

## 5. Player Configuration

Mode	Description
1 Player	Solo play - beat your high score
2 Players	Competitive - who scores more?
3-4 Players	Party mode - chaos and fun!

## 6. Win Condition

When time runs out, the player with the highest score wins. In solo mode, try to beat your personal best!

## 7. Game End Screen

**Display:** Final scores for all players

**Display:** Winner announcement (multiplayer)

**Options:** "Play Again" or "Back to Menu"

## 8. Technical Notes

- Supports Socket.io bridge for LED floor hardware integration
- Responsive design works on all screen sizes
- 60 FPS animation for smooth gameplay
- Local storage for high scores

### Tips for Players

- Focus on the target color before looking at the grid
- Build combos for maximum points
- Don't panic - accuracy is more important than speed