# User Guide

*A complete reference to every control and feature in Colour Identifier v2.9.*

## Overview

Colour Identifier is a single-panel offline tool for inspecting a colour. It reports the colour's hex code, its brightness (luma), and a plain-language name, and it can copy the hex to the clipboard. Optionally it reads a CSV of named colours so that recognised colours are reported by their exact name. Everything runs in the browser; nothing is uploaded.

## The Panel

| Control | Description |
|---|---|
| Colour swatch | A round picker. Click to open your operating system's colour chooser and select a colour visually. Updates the hex field and readout. |
| Hex field | Type or paste a hex code, with or without the leading #. A valid six-digit code updates the swatch and readout immediately. |
| Copy button | Copies the current hex code to the clipboard and briefly shows “Copied”. It copies the hex only, not the name. |
| Name readout | A plain-language description of the colour, or its exact name if a colour database is loaded and the colour matches. |
| Luma Assessment | The colour's brightness on a 0–255 scale (0.299R + 0.587G + 0.114B). |

## The Automatic Colour Name

When no database is loaded, the tool builds a descriptive name from three parts: a tone word from the colour's lightness (Deep, Dark, Medium, Light, Pale), a saturation word (Grey, Muted, Soft, Vivid, Neon), and a hue word (Red, Orange, Yellow, Green, Cyan, Blue, Purple, Pink). Near-neutral colours — greys, black, and white — are named by tone alone, for example “Medium Grey” or “Deep Grey”.

> **NOTE** The automatic name is an approximation meant as a quick description, not a precise colour standard. Very dark colours with only a little colour in them may be described as a grey tone. For exact names, load a colour database (below).

## Loading a Colour Name Database

Drag a CSV file onto the panel. The tool reads two values from each row: a name and a hex code. When you then pick a colour whose hex exactly matches a database entry, the readout shows that database name instead of the automatic description. The label above the readout changes to confirm a database is active.

| CSV column | Used for |
|---|---|
| Column 2 | The colour's name. |
| Column 3 | The colour's hex code (3- or 6-digit, with or without #). |

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**NOTE** Matching is exact: the database name appears only when the chosen hex is identical to a stored hex. Colours not in the database still get the automatic description.

## Things to Be Aware Of

- Everything runs on your own device; no colours or files are uploaded.
- A loaded database lasts for the current session only; reload the CSV after reopening the tool.
- The Copy button copies the hex code only.
- The automatic name is descriptive and approximate; a database gives exact names.

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