# Wiki

**Data Visualisation Tools** / Morse_et_al_(2019)_Fig.8

Figure 8: Comparative visualisations, intended to highlight areas of detail, generated using the Gradient Designer App (left column) shown with supporting insights in CIELAB colour space provided through the GVLAB App (right column).
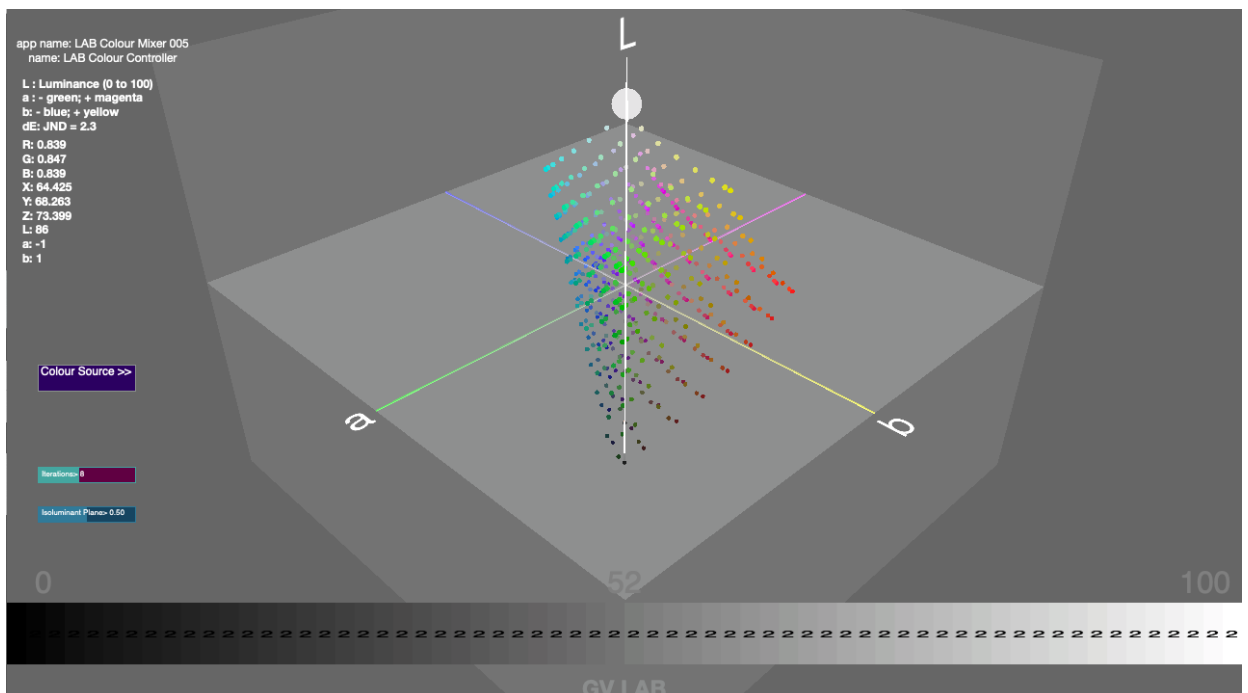For details of the grid values being displayed, see the caption for Figure 4.
A) Detail All CIELAB 0-90 L 64 Steps
B) Detail top-half CIELAB 0-90L 24 steps
C) Detail top-half CIELAB 0-90L 12 steps
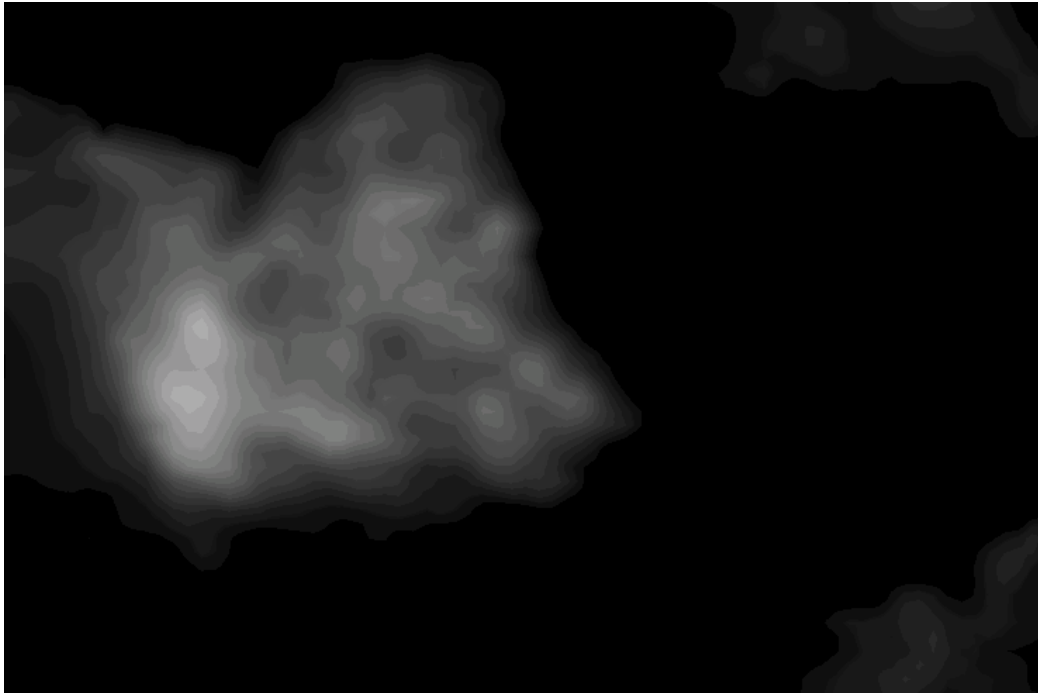D) Detail top-half CIELAB 0-90L 12 steps + bottom-half alpha 0, top-half alpha 0-100

## 8A(left) CIELAB (0,0,0 – 100,0,0)
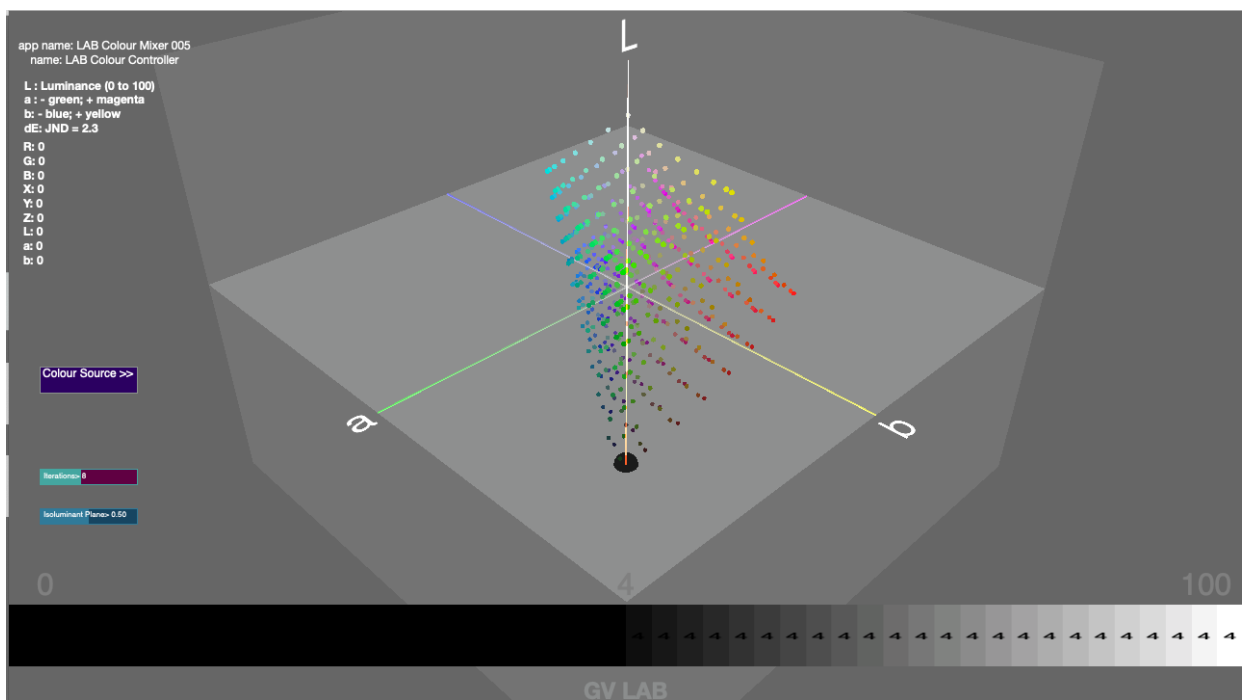


## 8A(right) 64 Steps. Each Delta E = ~2. Limit of JND.
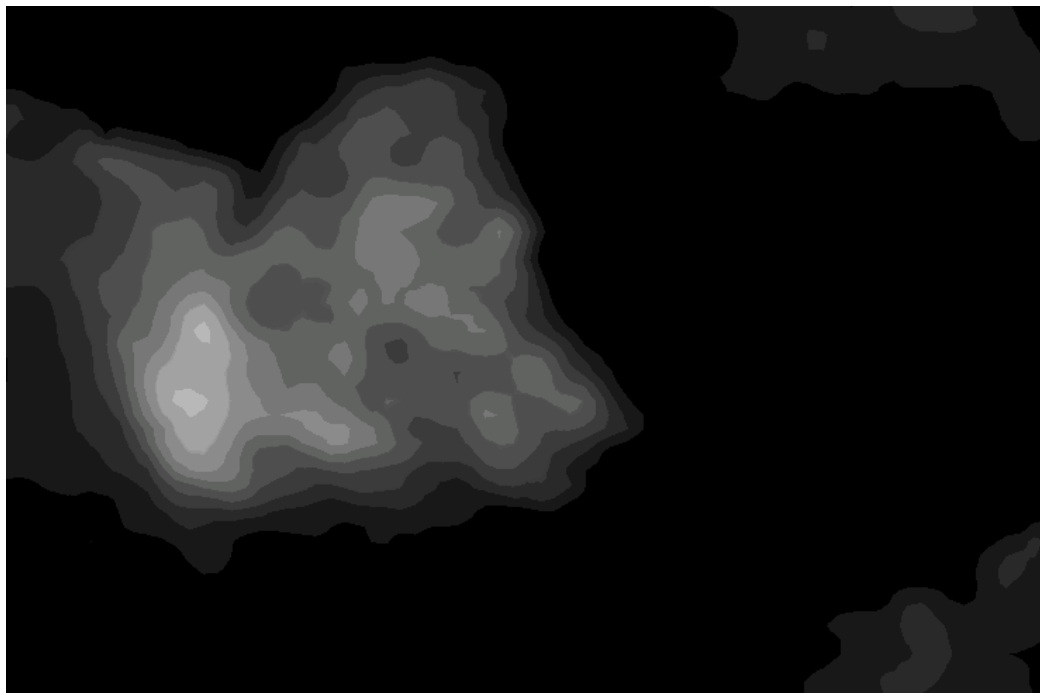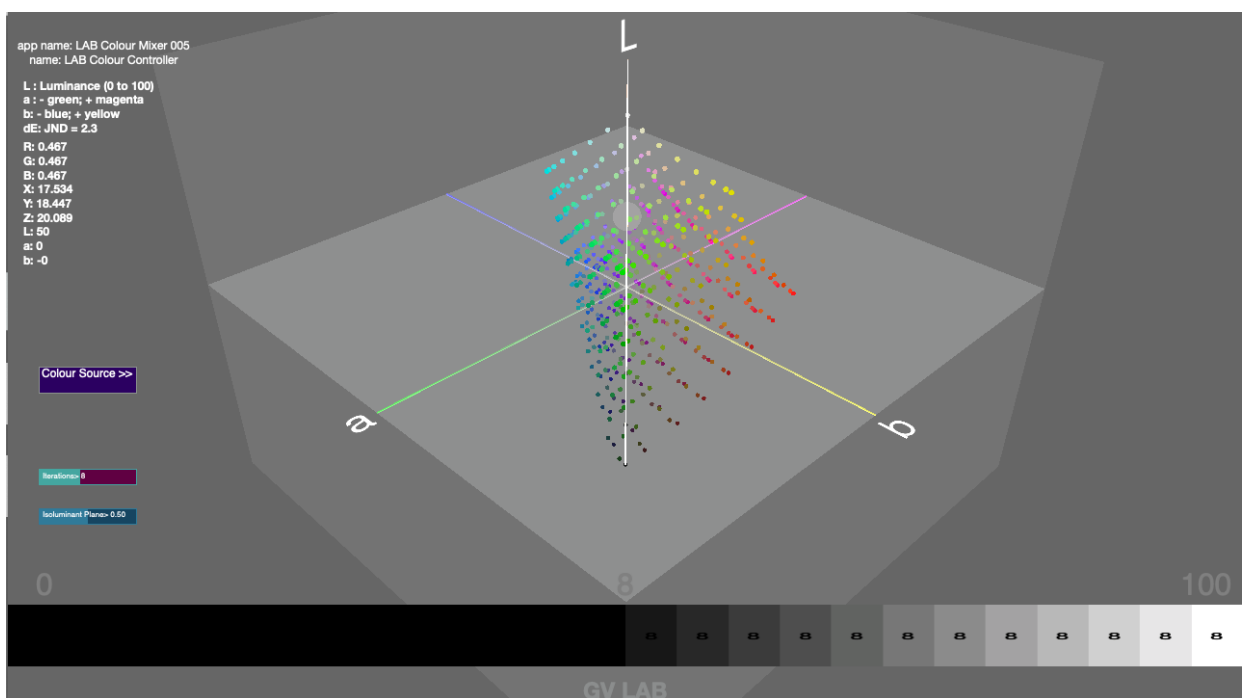
8B(left)



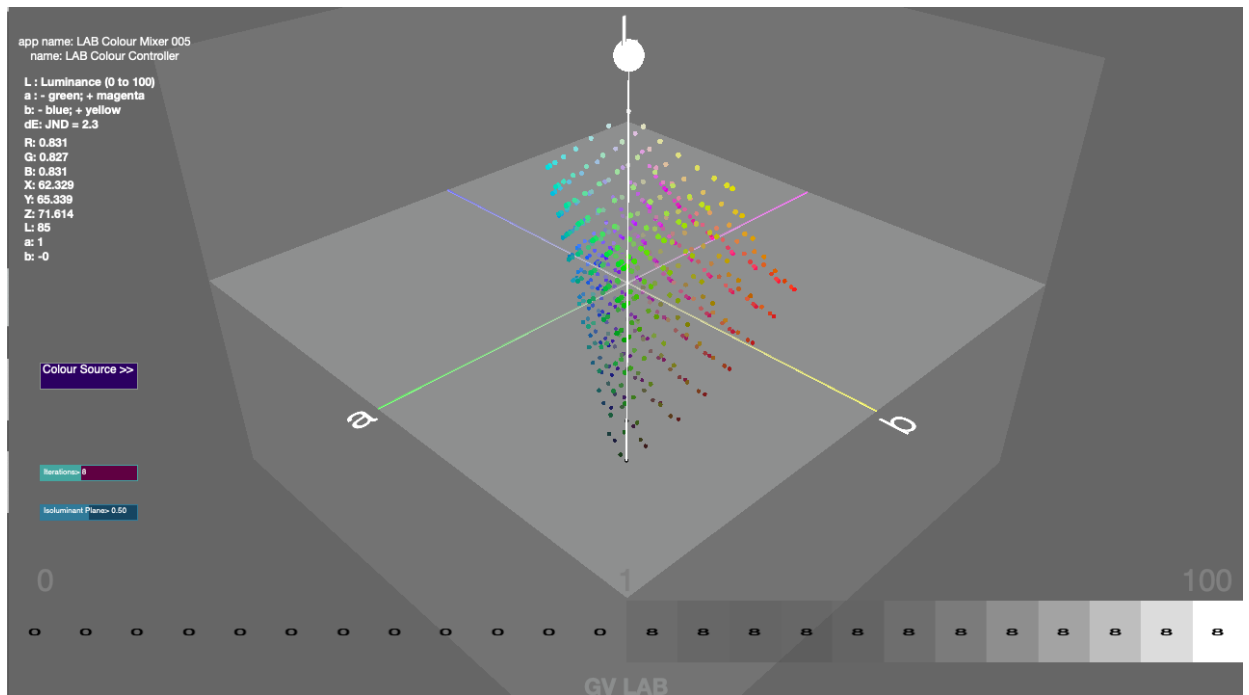8B(right) Top 50% 24 Steps. Each Delta E = ~4



8C(left)

8C(right) Top 50% 12 Steps. Each Delta E = ~8



8D(left)

8D(right) Bottom Half 0 Alpha. Top half 0-100 Alpha. Top 50% 12 Steps. Each Top 50% Delta E = ~8.



app name: LAB Colour Mixer 005
name: LAB Colour Controller

L : Luminance (0 to 100)
a : - green; + magenta
b: - blue; + yellow
dE: JND = 2.3

R: 0.831
G: 0.827
B: 0.831
X: 62.329
Y: 65.339
Z: 71.614
L: 85
a: 1
b: -0

Colour Source >>

Iterations> 8

Isoluminant Plane> 0.50

0          1          100

GV LAB

Updated 2019-03-18