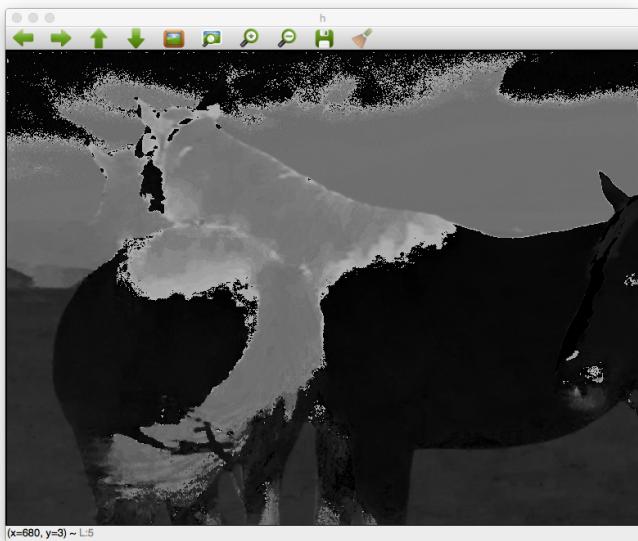


```
color-convert <ims>
```

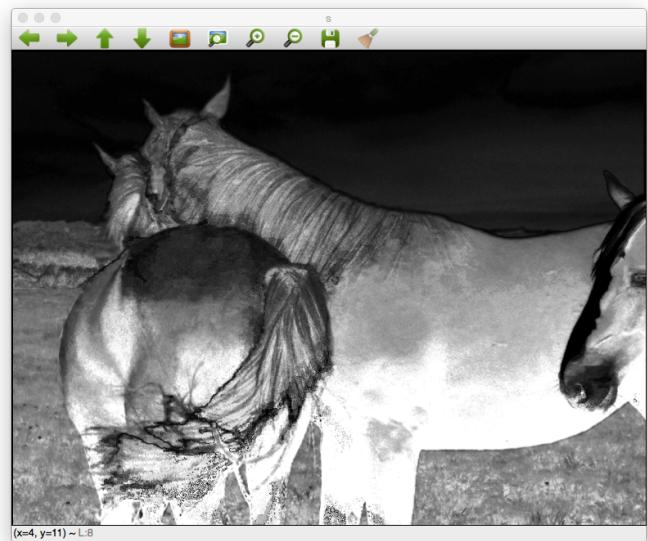


FIGURE 1 – ./color-convert .../data/lena\_color.png

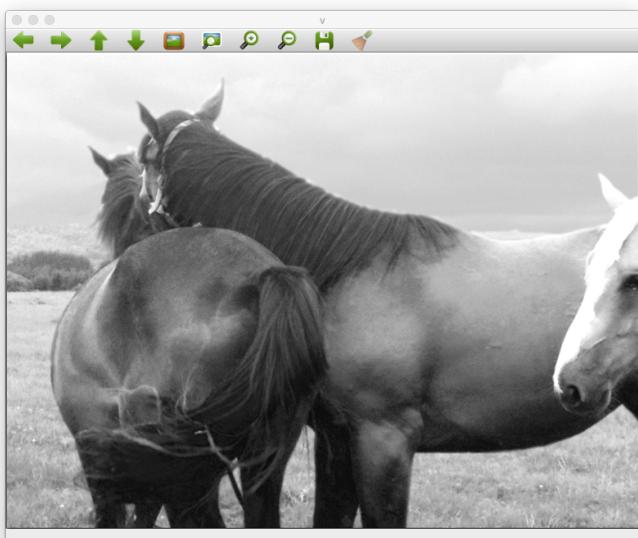
```
hsv-modification <h> <s> <v> <ims> <imd>
```



Affichage du canal  $h$



Affichage du canal  $s$



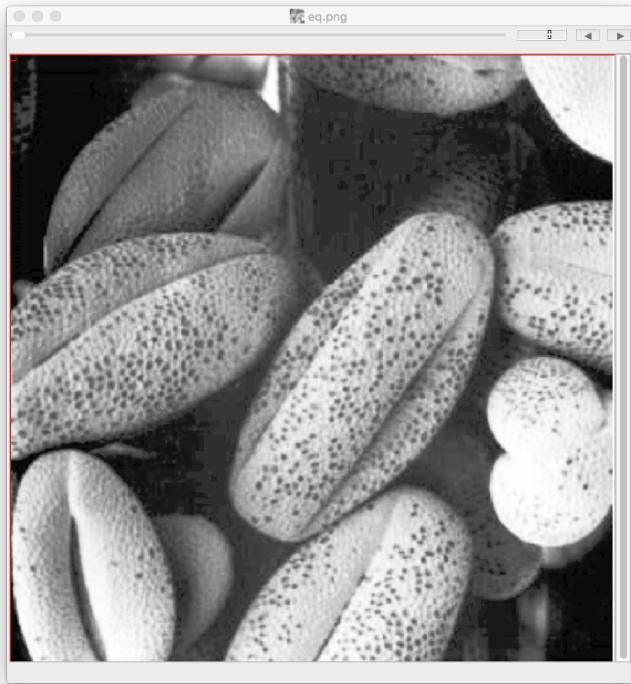
Affichage du canal  $v$



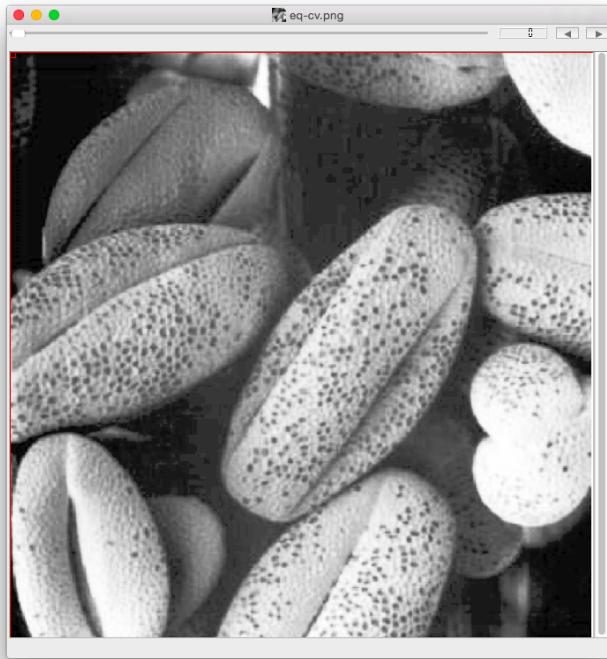
pvisu horse-hsv.png

FIGURE 2 – ./hsv-modification 100 0 0 ../../data/horse.png horse-hsv.png

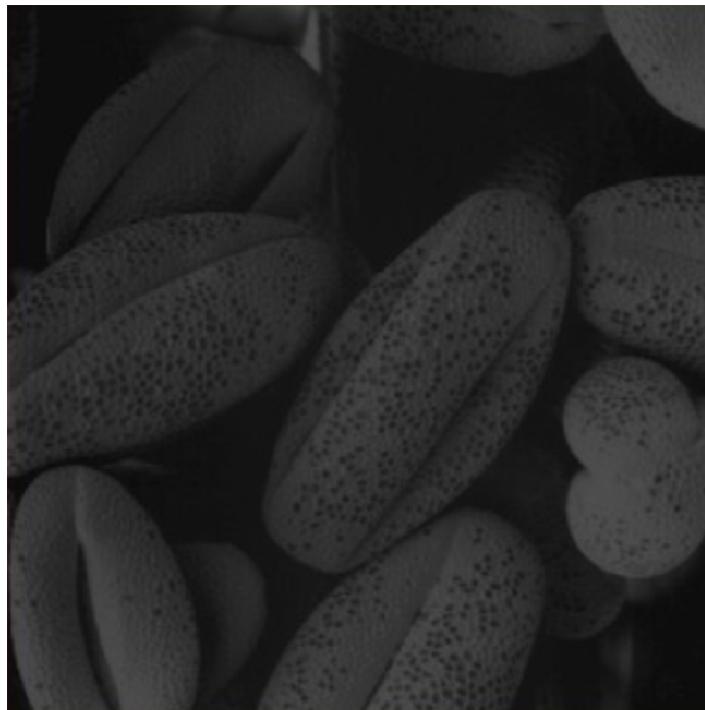
```
eq-histogram <ims>
```



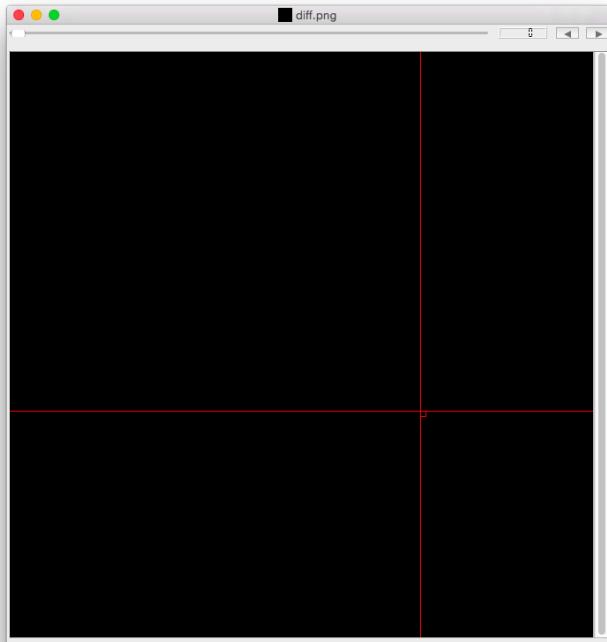
pvisu eq.png



pvisu eq-cv.png



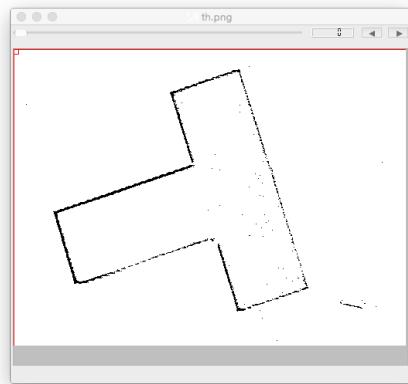
pvisu eq-ex.png



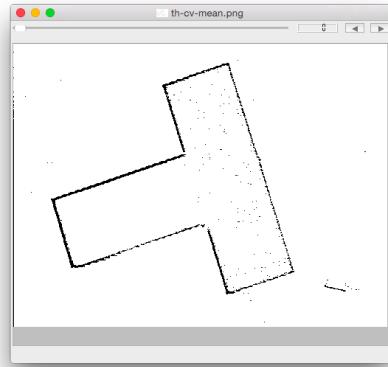
pvisu diff.png

FIGURE 3 – ./eq-histogram ../../data/eq-ex.png

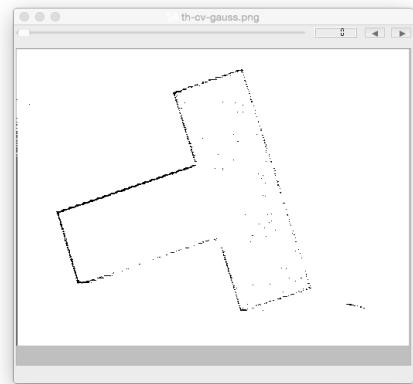
```
adaptative-th <ims> <radius> <const>
```



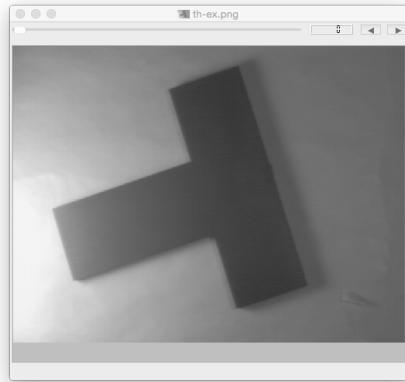
pvisu th.png



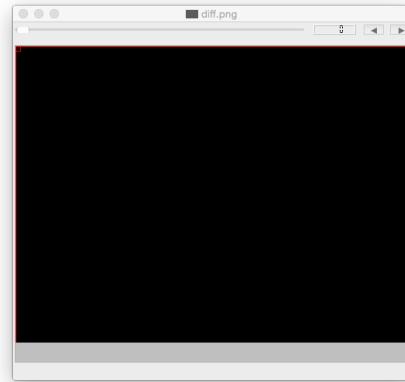
pvisu th-ocv-mean.png



pvisu th-ocv-gauss.png



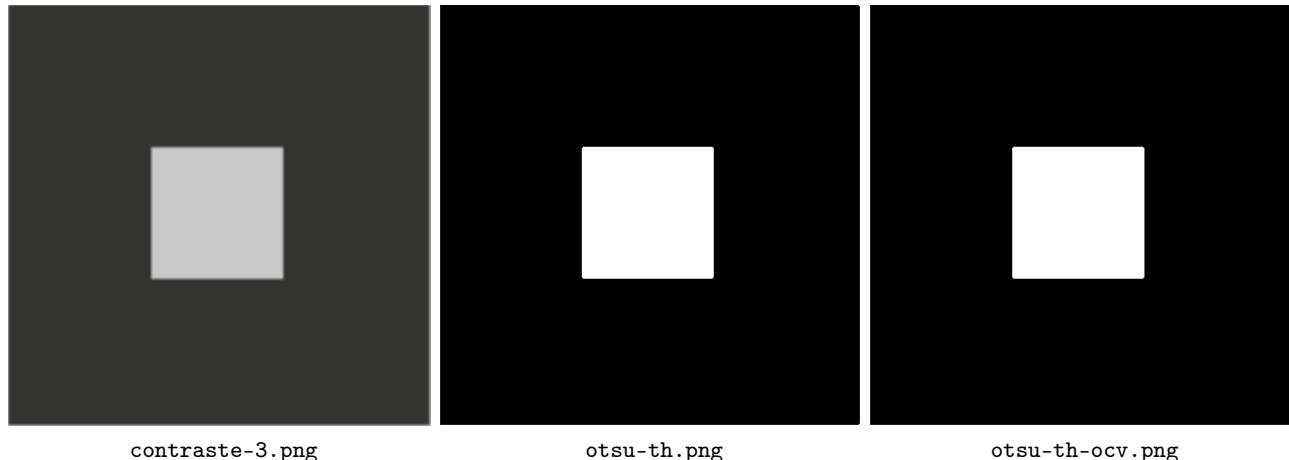
pvisu th-ex.png



pvisu diff.png

FIGURE 4 – ./adaptative-th ../data/th-ex.png 3 4

otsu <ims>



contraste-3.png

otsu-th.png

otsu-th-ocv.png

FIGURE 5 – ./otsu ../../data/contraste-3.png



text.png

otsu-th.png

otsu-th-ocv.png

FIGURE 6 – ./otsu ../../data/text.png

```
[ta@porcinet] [otsu] ./otsu ../../data/contraste-3.png
convert color to gray
manual otsu threshold t = 119
init done
ocv otsu threshold t = 119
[ta@porcinet] [otsu] ./otsu ../../data/text.png
convert color to gray
manual otsu threshold t = 101
init done
ocv otsu threshold t = 101
[ta@porcinet] [otsu]
```

FIGURE 7 – Sortie standard