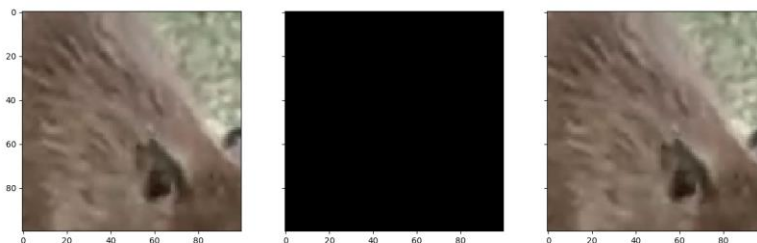


Lab 8

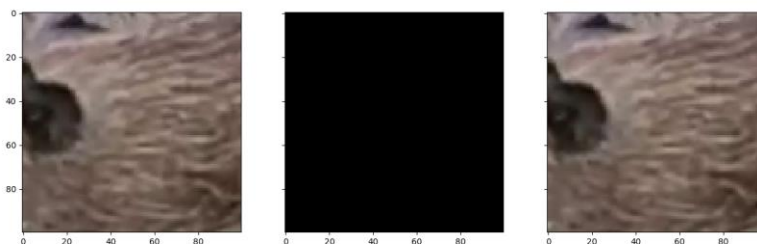
dzielnik 1

subsampling 4:4:4

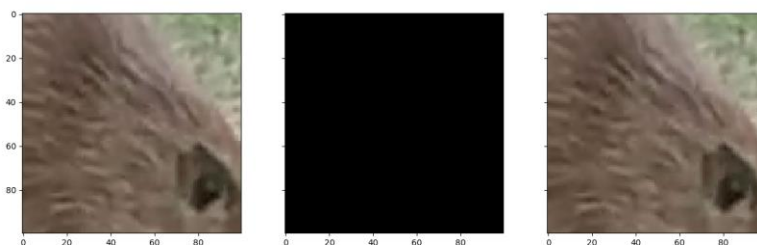
clip_1 roi [70, 170, 460, 560] sampl 444 r 1diff.png



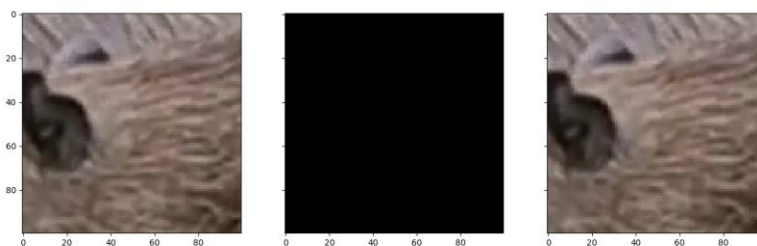
clip_1 roi [345, 445, 1100, 1200] sampl 444 r 1diff.png



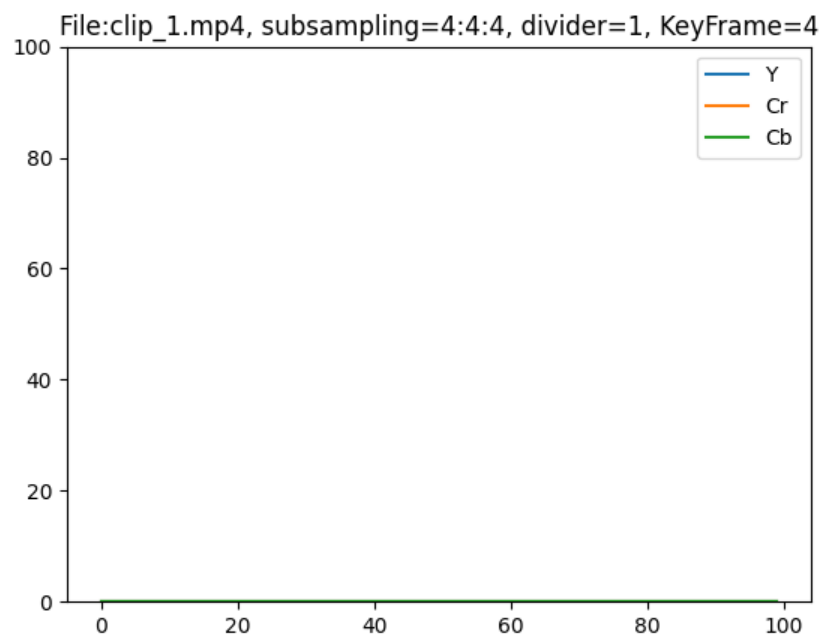
clip_1 roi [70, 170, 460, 560] sampl 444 r 1diff.png



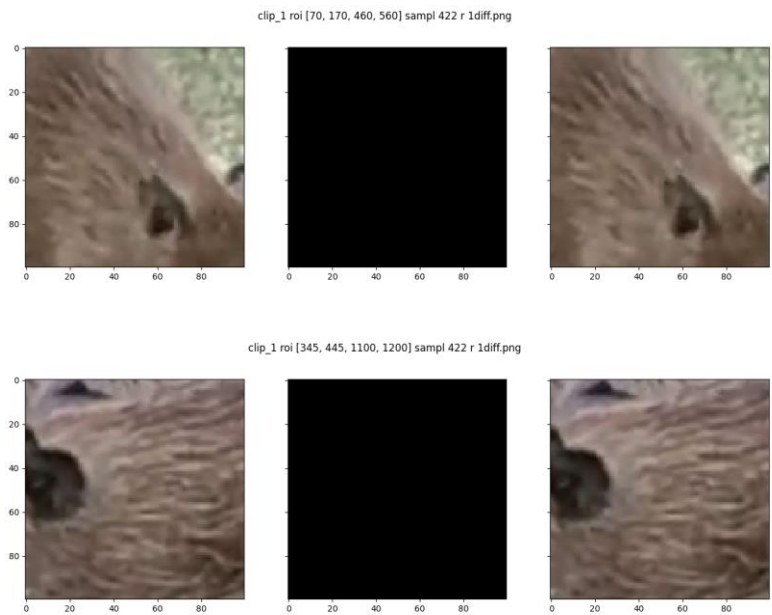
clip_1 roi [345, 445, 1100, 1200] sampl 444 r 1diff.png

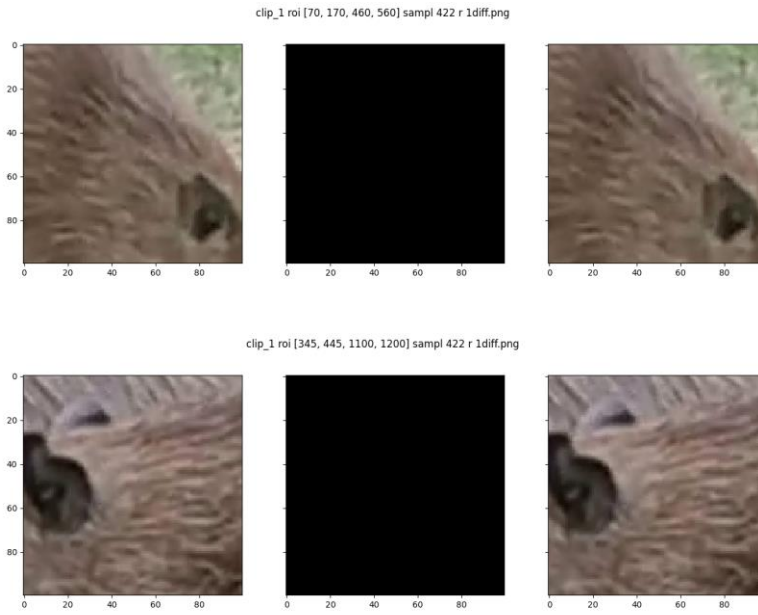


imgs/clip_1div1sampl444.png

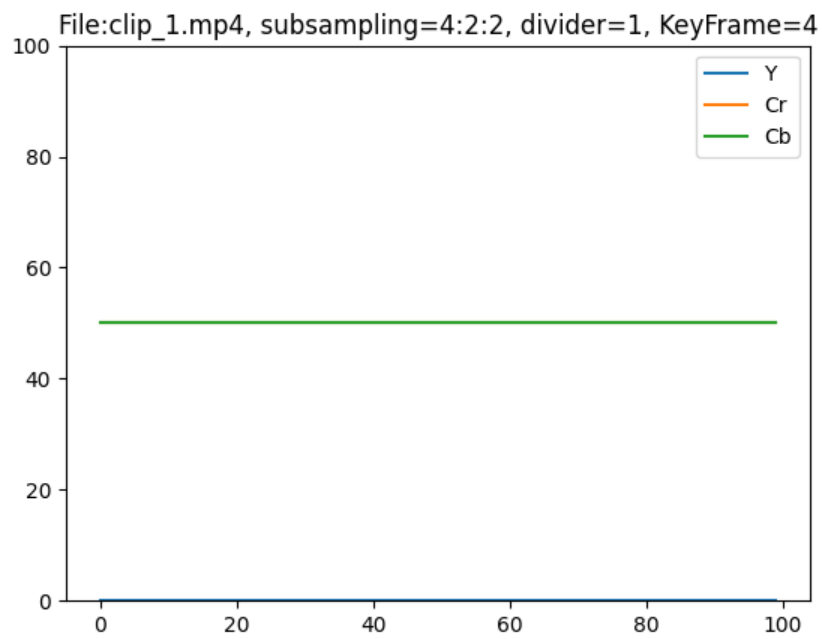


subsampling 4:2:2



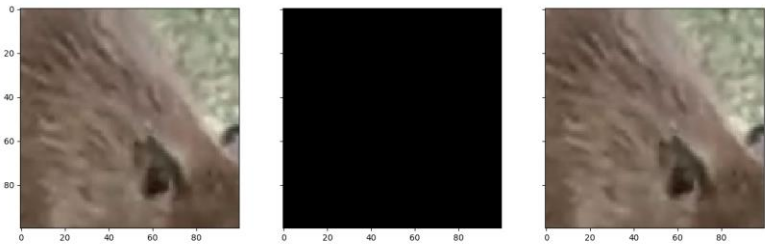


[imgs/clip_1div1sampl422.png](#)

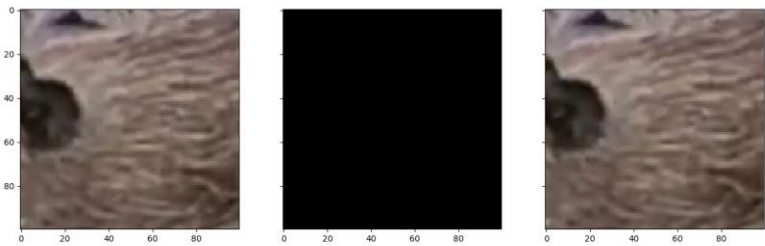


subsampling 4:4:0

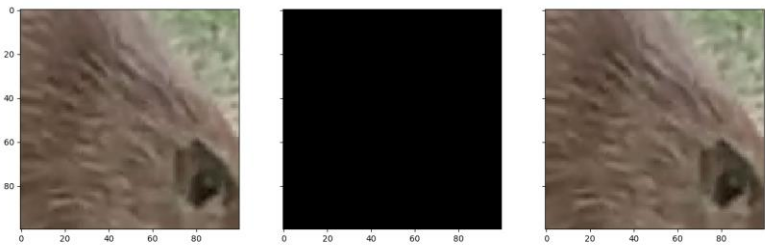
clip_1 roi [70, 170, 460, 560] sampl 440 r 1diff.png



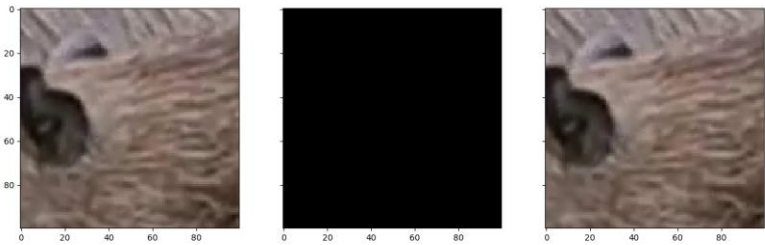
clip_1 roi [345, 445, 1100, 1200] sampl 440 r 1diff.png



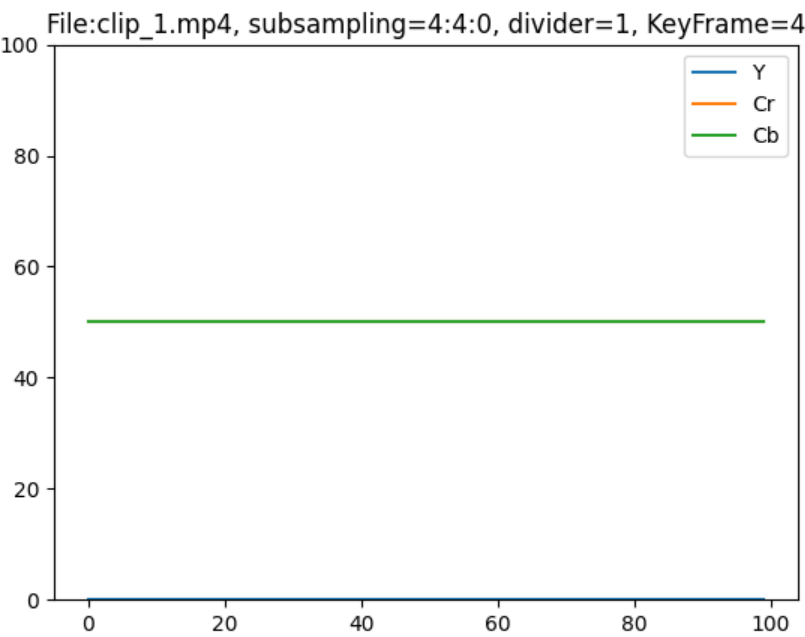
clip_1 roi [70, 170, 460, 560] sampl 440 r 1diff.png



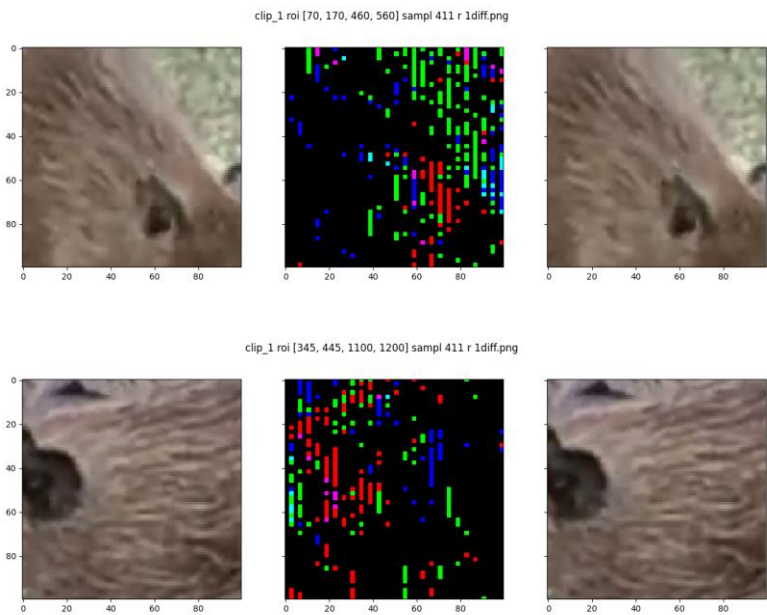
clip_1 roi [345, 445, 1100, 1200] sampl 440 r 1diff.png

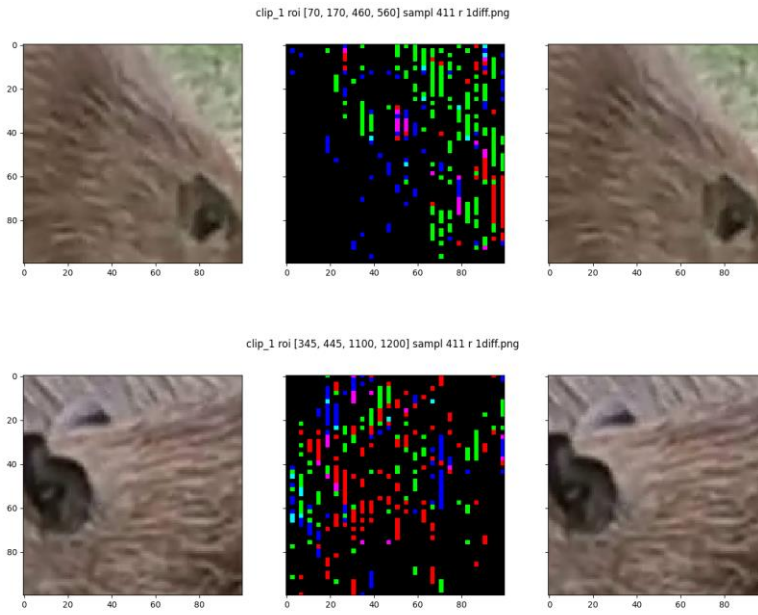


imgs/clip_1div1sampl440.png

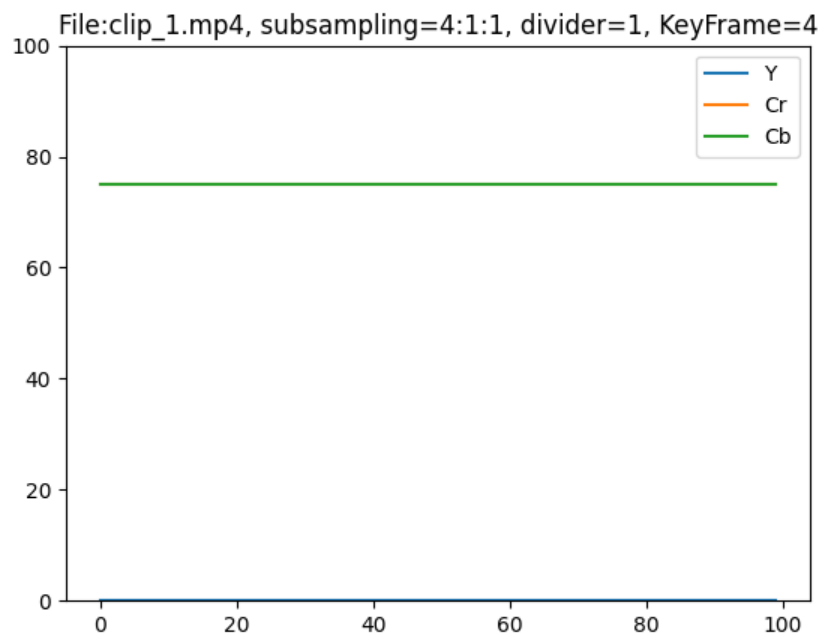


subsampling 4:1:1



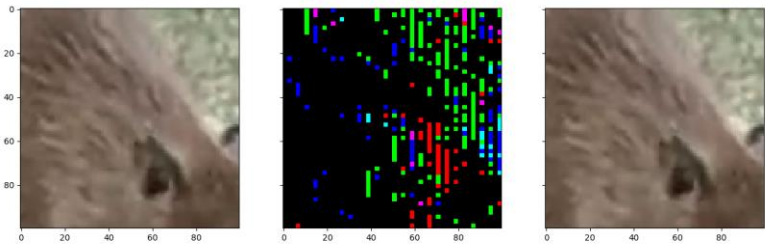


[imgs/clip_1div1sampl411.png](#)

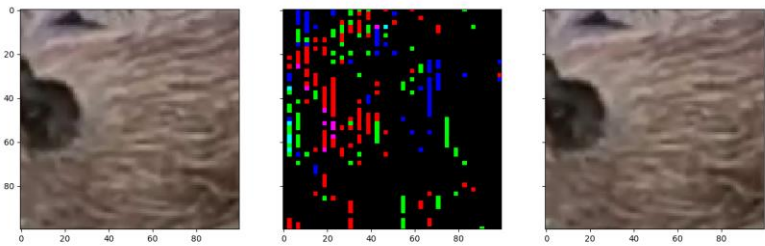


subsampling 4:1:0

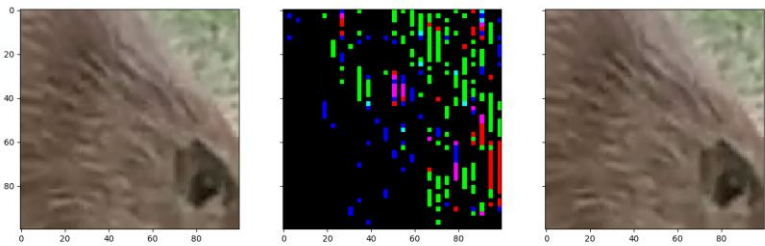
clip_1 roi [70, 170, 460, 560] sampl 410 r 1diff.png



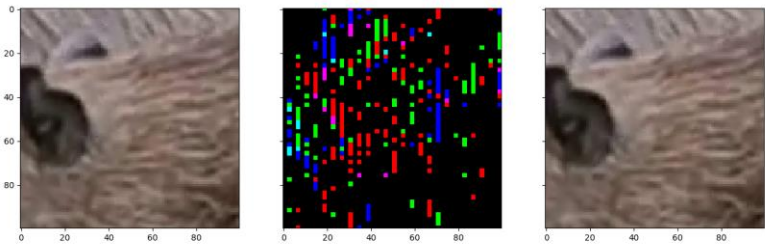
clip_1 roi [345, 445, 1100, 1200] sampl 410 r 1diff.png



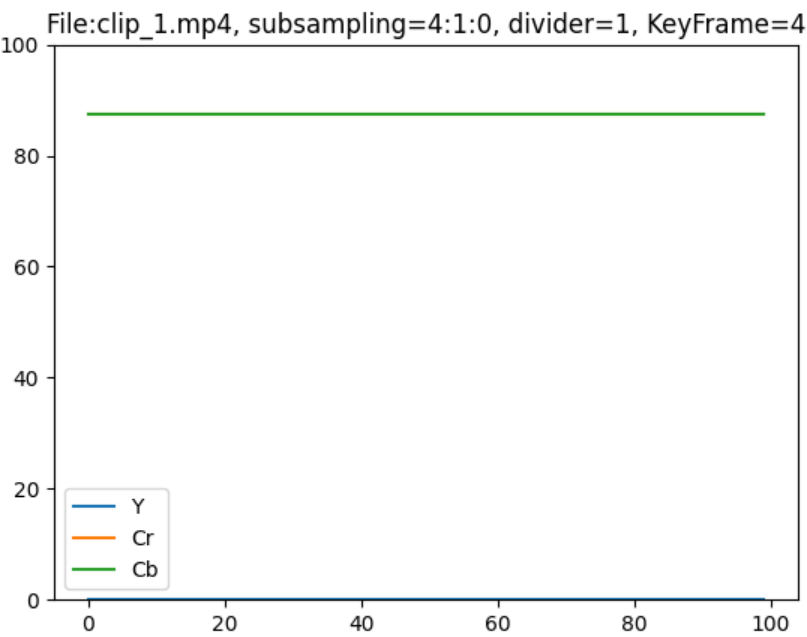
clip_1 roi [70, 170, 460, 560] sampl 410 r 1diff.png



clip_1 roi [345, 445, 1100, 1200] sampl 410 r 1diff.png

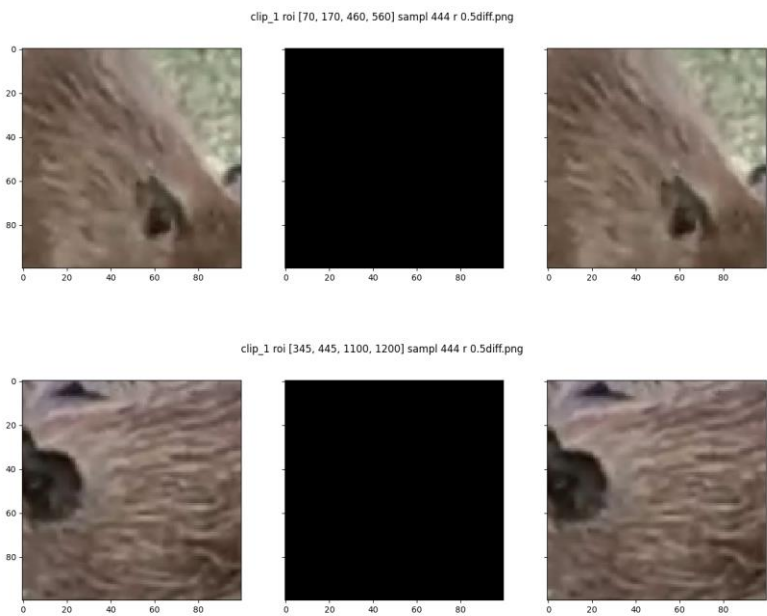


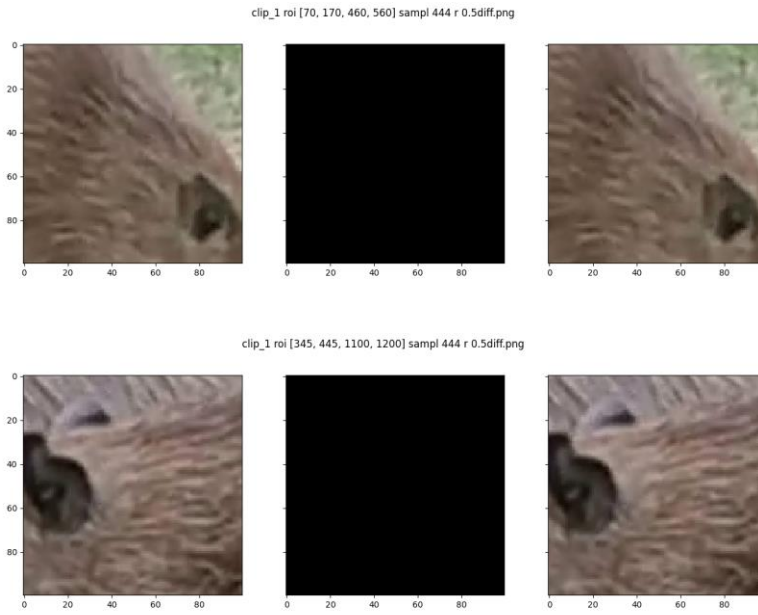
imgs/clip_1div1sampl410.png



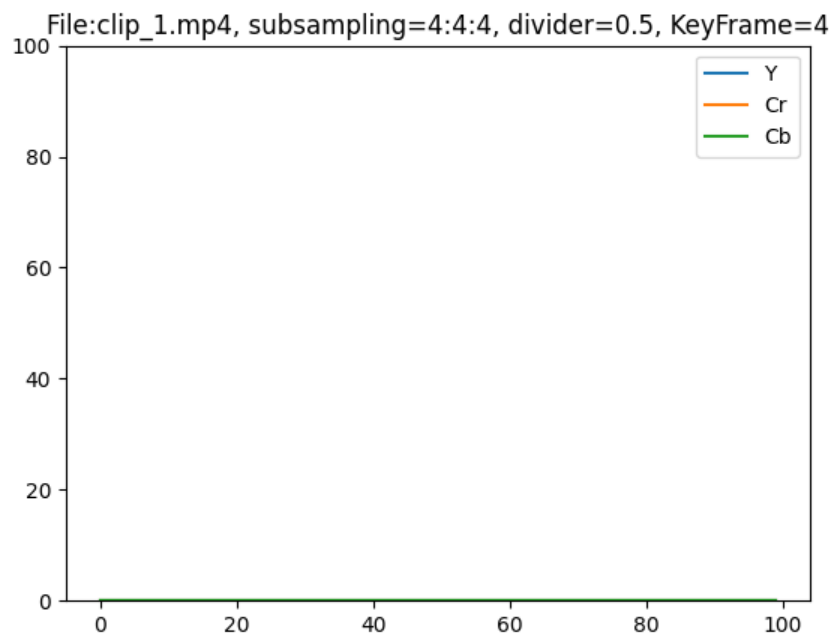
dzielnik 0.5

subsampling 4:4:4



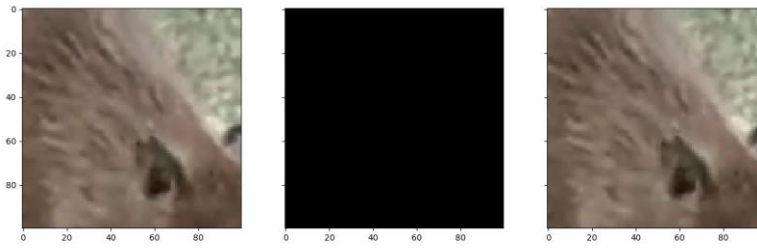


[imgs/clip_1div0.5sampl444.png](#)

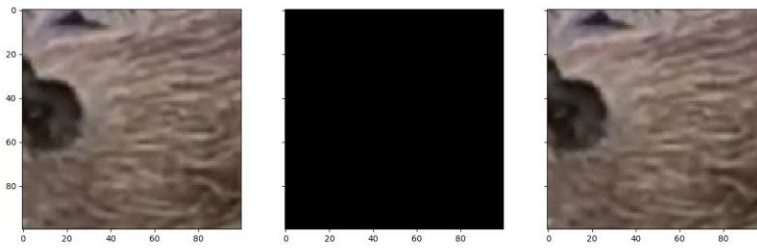


subsampling 4:2:2

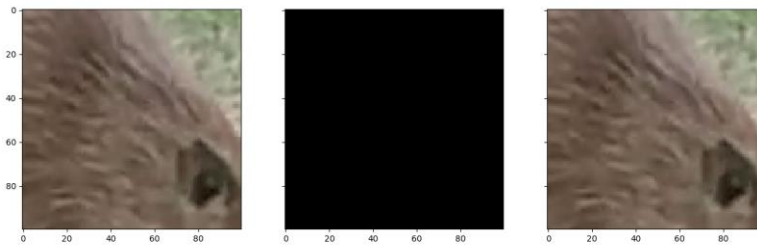
clip_1 roi [70, 170, 460, 560] sampl 422 r 0.5diff.png



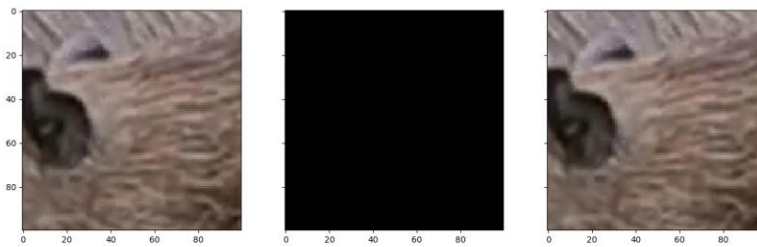
clip_1 roi [345, 445, 1100, 1200] sampl 422 r 0.5diff.png



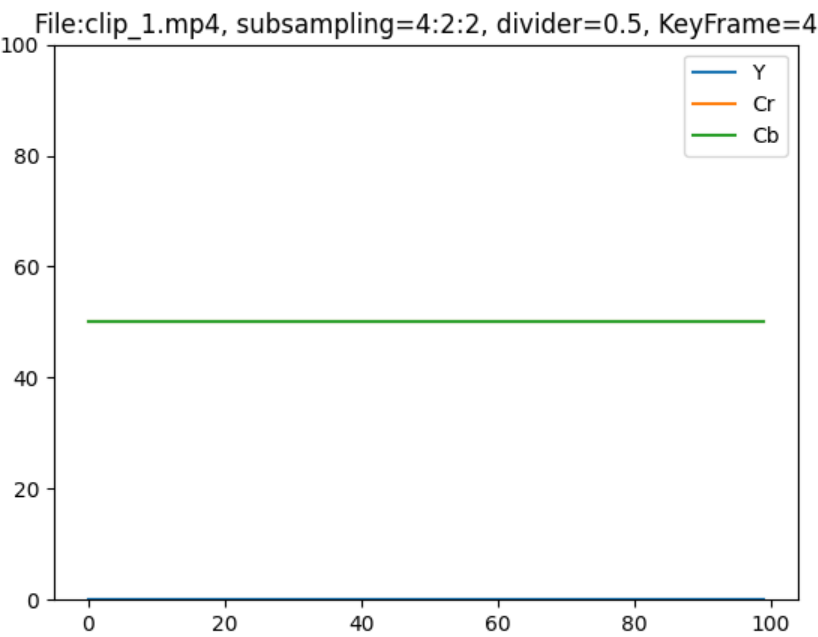
clip_1 roi [70, 170, 460, 560] sampl 422 r 0.5diff.png



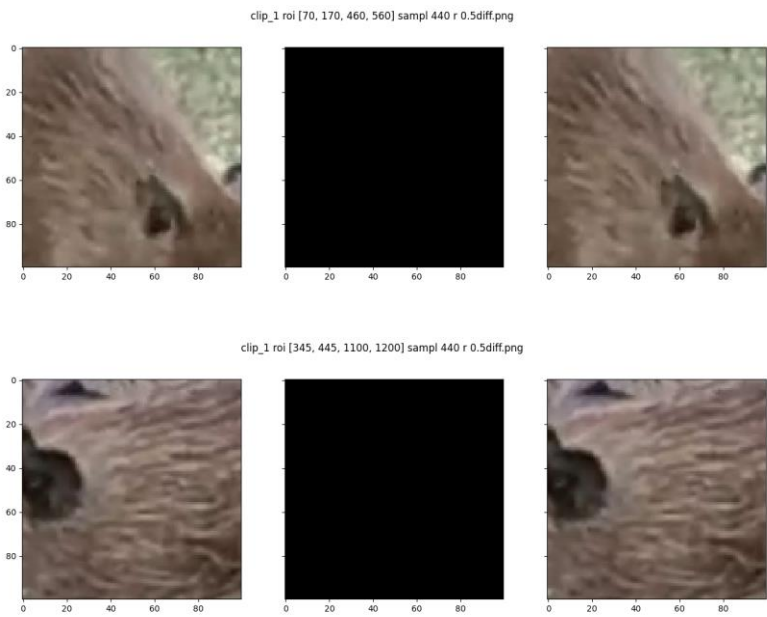
clip_1 roi [345, 445, 1100, 1200] sampl 422 r 0.5diff.png

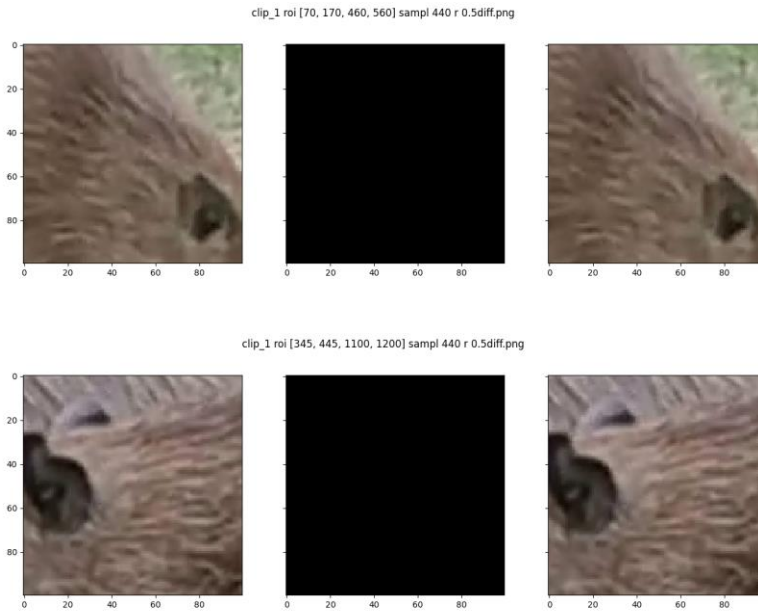


imgs/clip_1div0.5sampl422.png

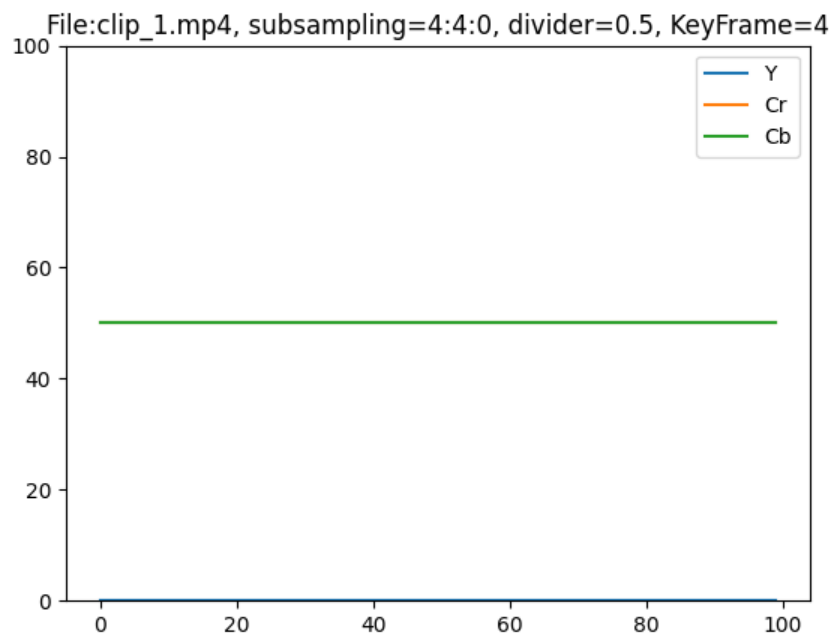


subsampling 4:4:0



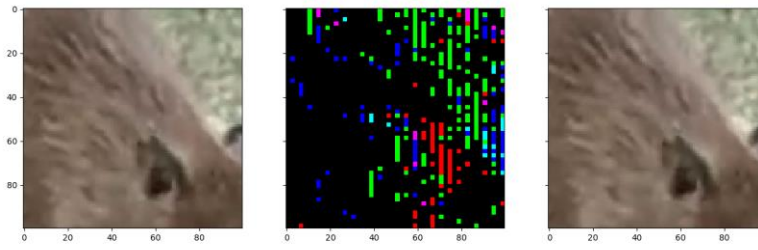


[imgs/clip_1div0.5sampl440.png](#)

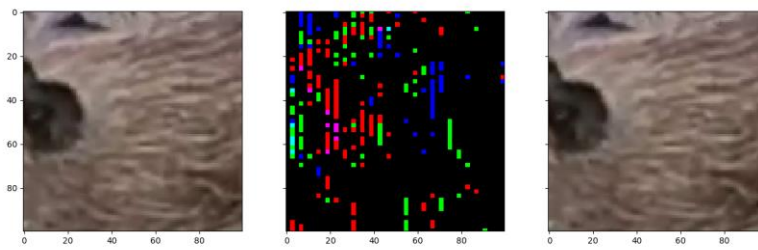


subsampling 4:1:1

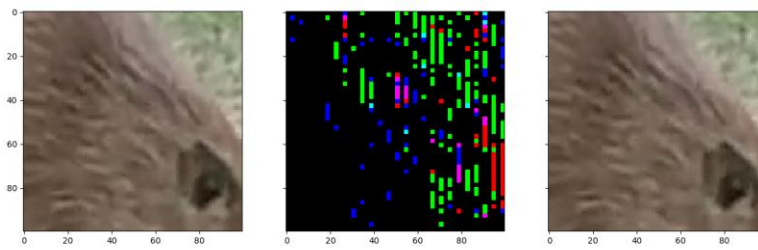
clip_1 roi [70, 170, 460, 560] sampl 411 r 0.5diff.png



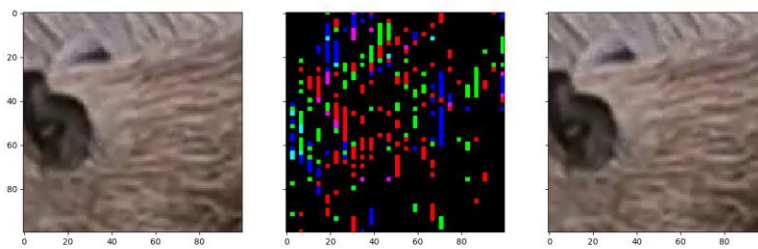
clip_1 roi [345, 445, 1100, 1200] sampl 411 r 0.5diff.png



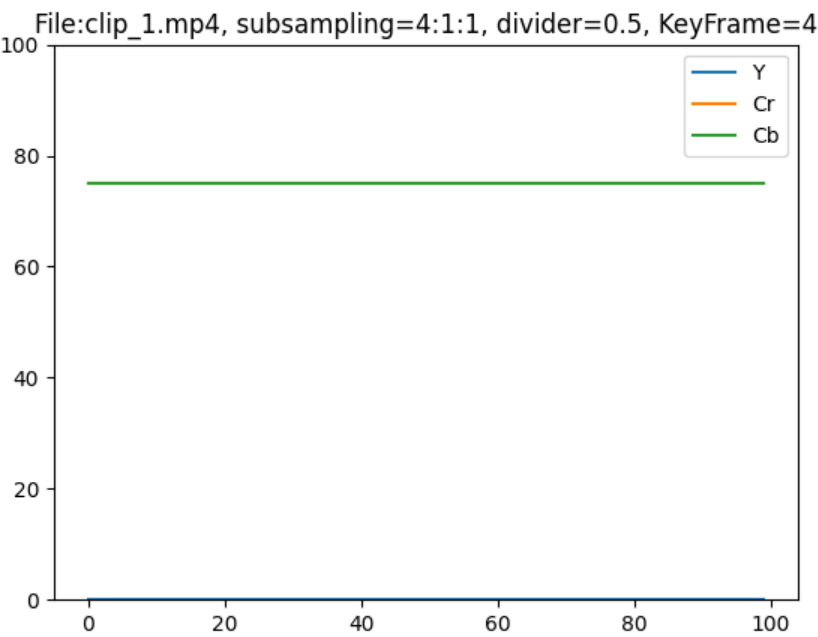
clip_1 roi [70, 170, 460, 560] sampl 411 r 0.5diff.png



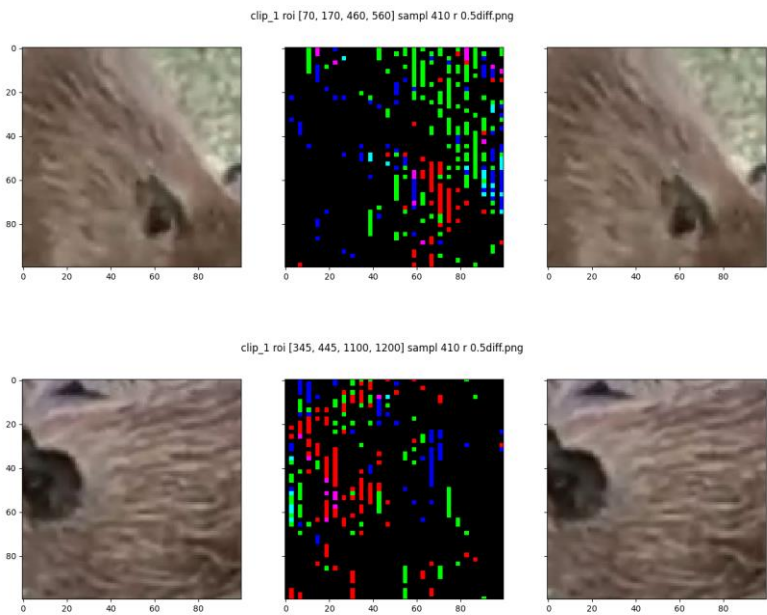
clip_1 roi [345, 445, 1100, 1200] sampl 411 r 0.5diff.png

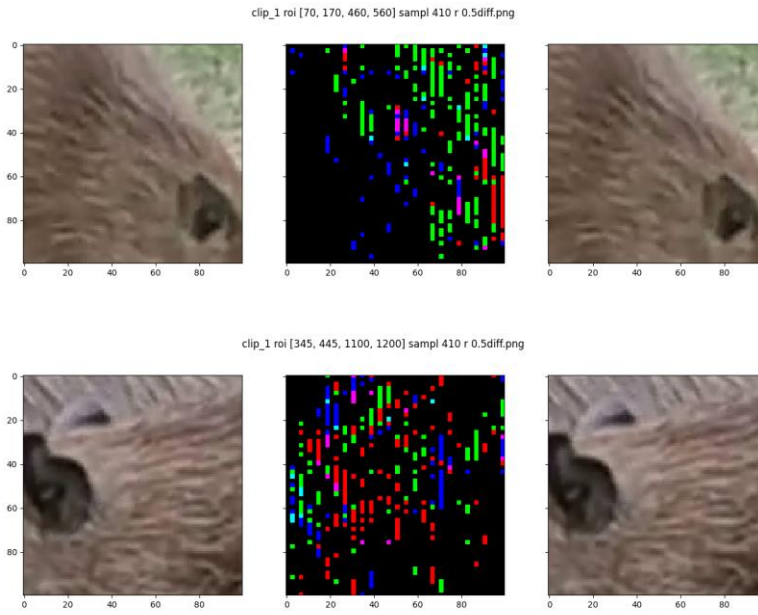


imgs/clip_1div0.5sampl411.png

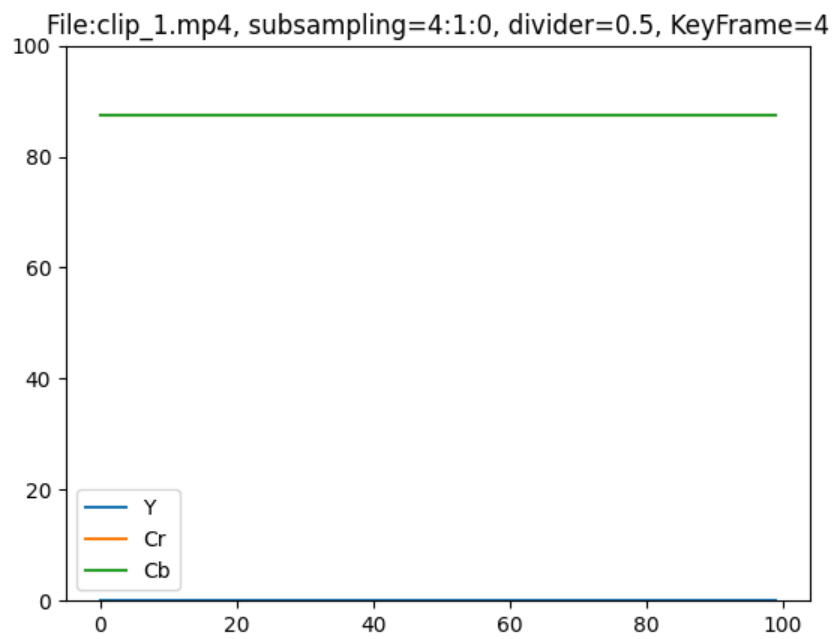


subsampling 4:1:0



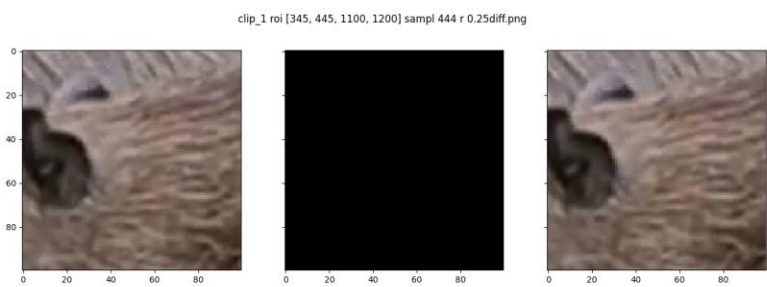
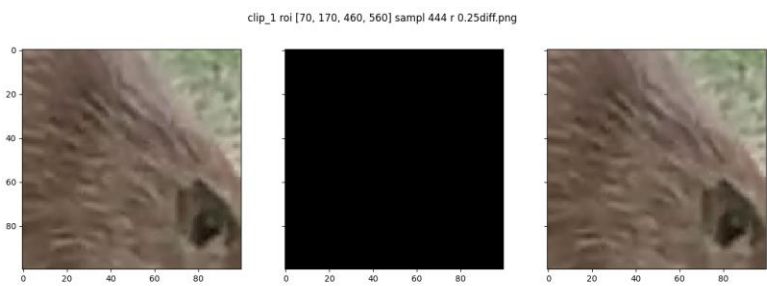
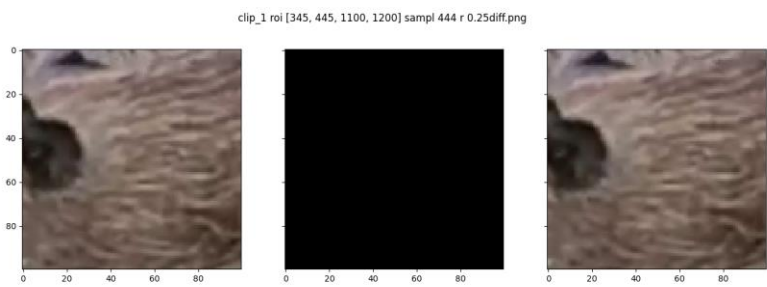
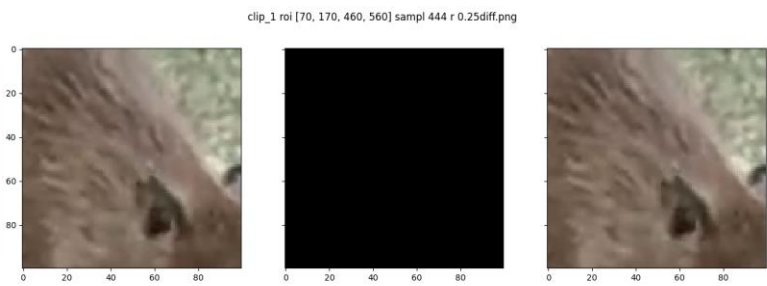


[imgs/clip_1div0.5sampl410.png](#)

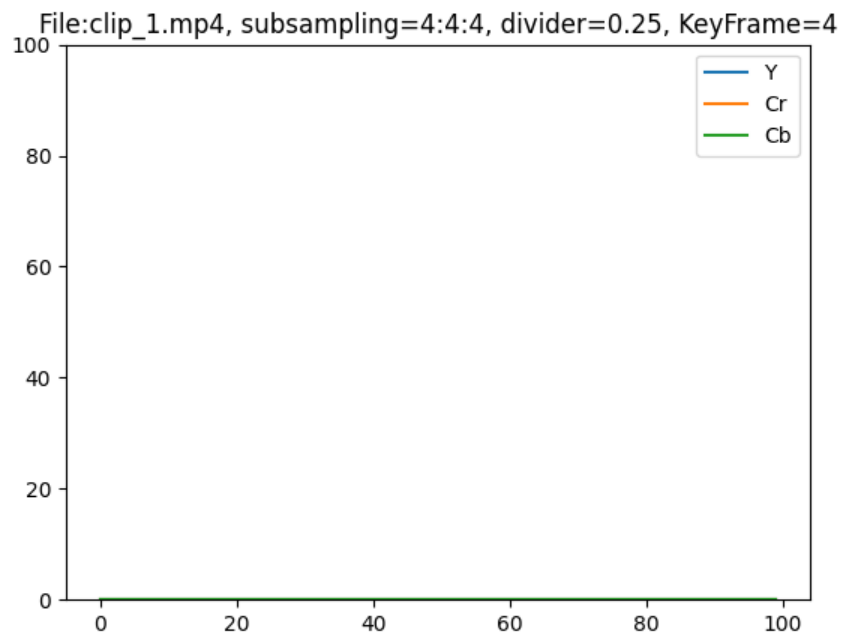


dzielnik 0.25

subsampling 4:4:4

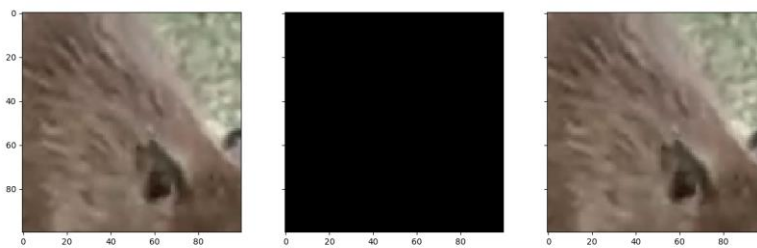


imgs/clip_1div0.25sampl444.png

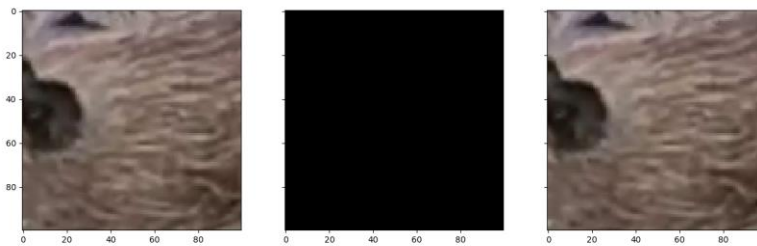


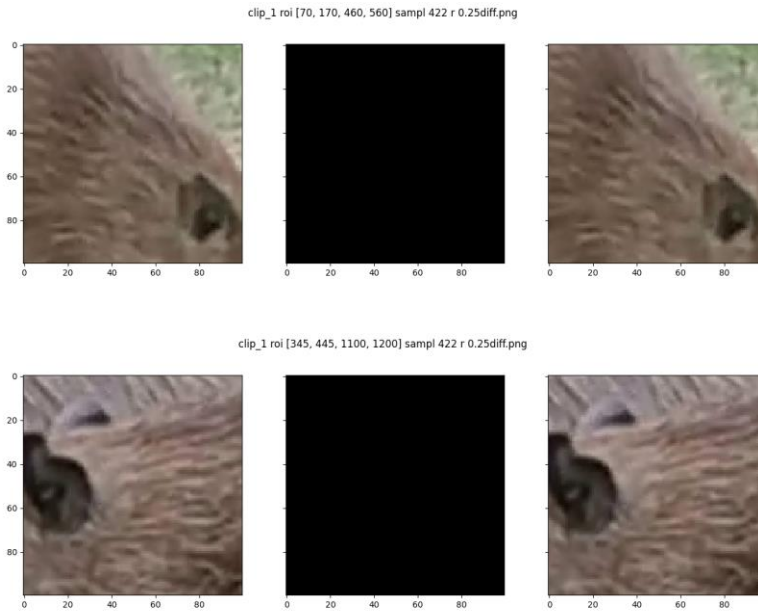
subsampling 4:2:2

clip_1 roi [70, 170, 460, 560] sampl 422 r 0.25diff.png

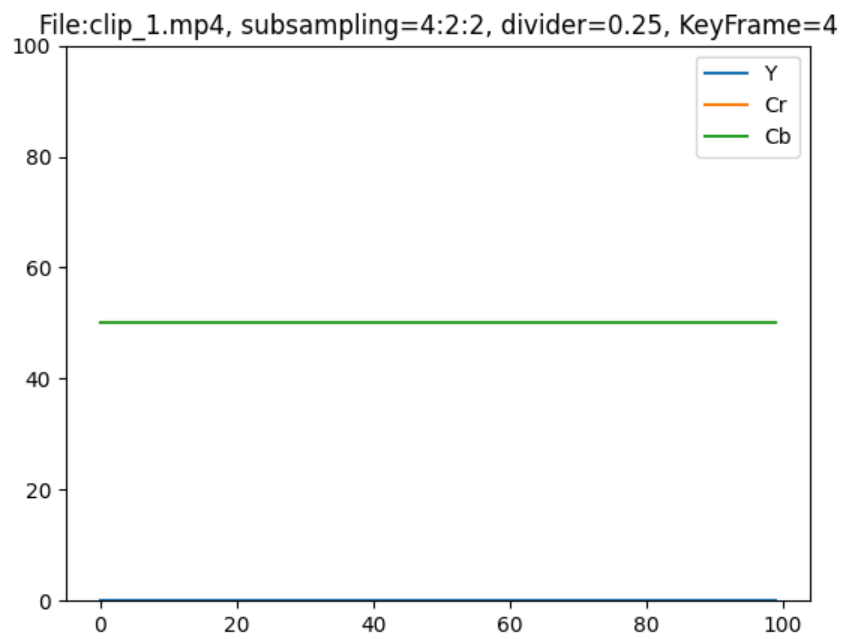


clip_1 roi [345, 445, 1100, 1200] sampl 422 r 0.25diff.png



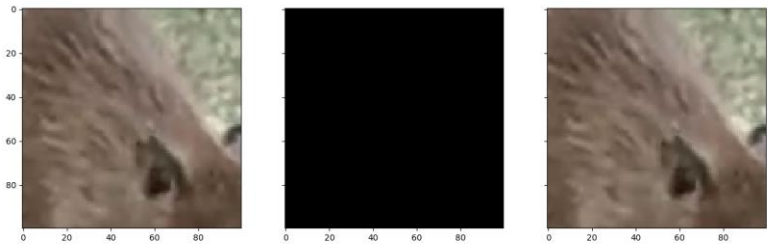


[imgs/clip_1div0.25sampl422.png](#)

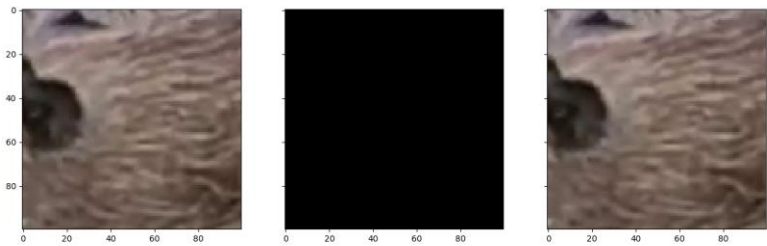


subsampling 4:4:0

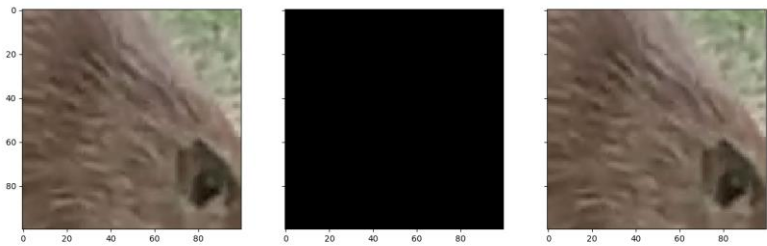
clip_1 roi [70, 170, 460, 560] sampl 440 r 0.25diff.png



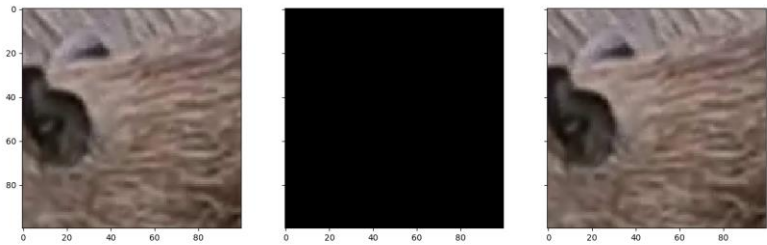
clip_1 roi [345, 445, 1100, 1200] sampl 440 r 0.25diff.png



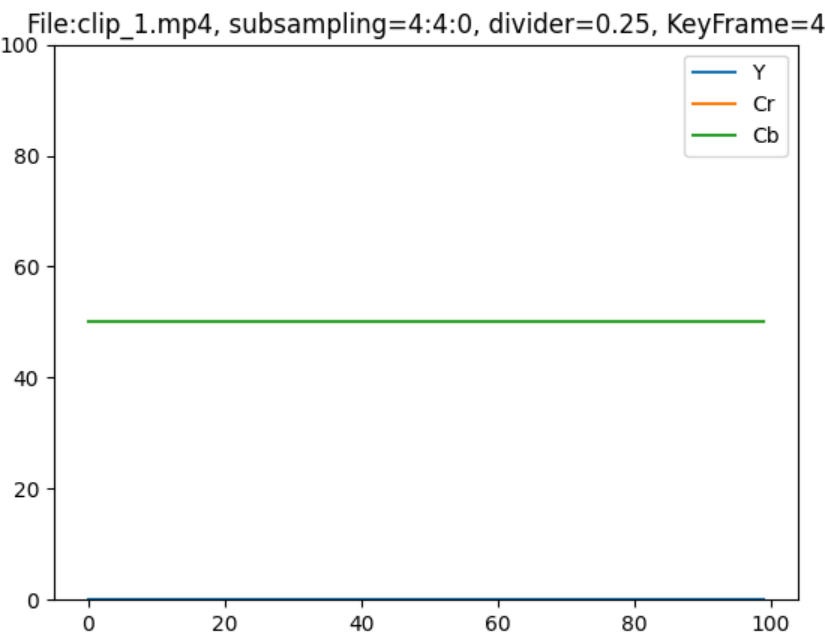
clip_1 roi [70, 170, 460, 560] sampl 440 r 0.25diff.png



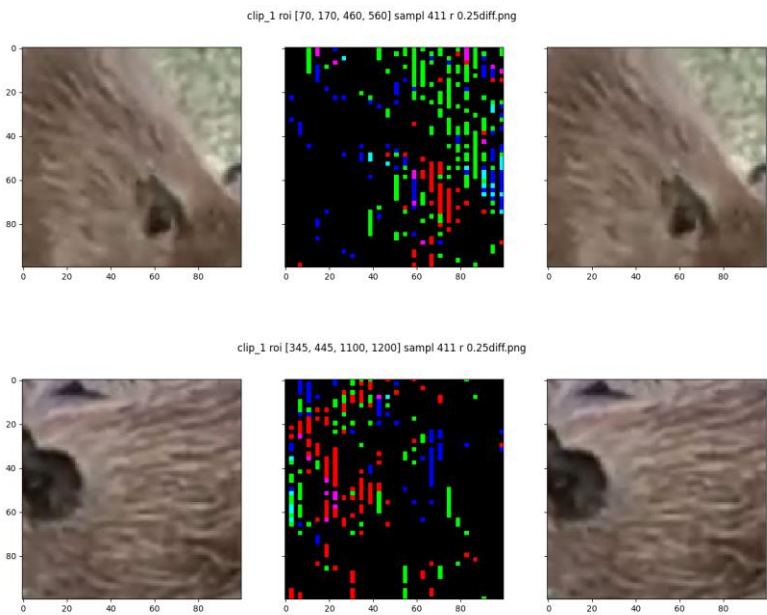
clip_1 roi [345, 445, 1100, 1200] sampl 440 r 0.25diff.png

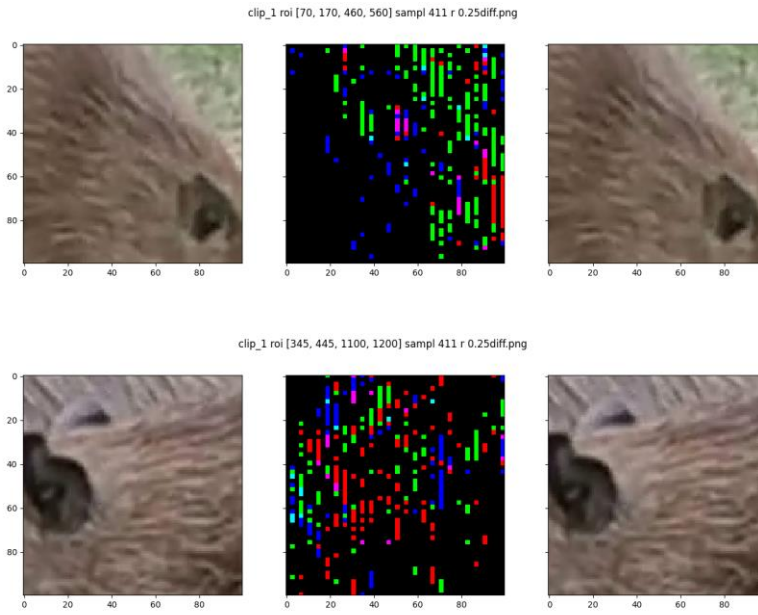


imgs/clip_1div0.25sampl440.png

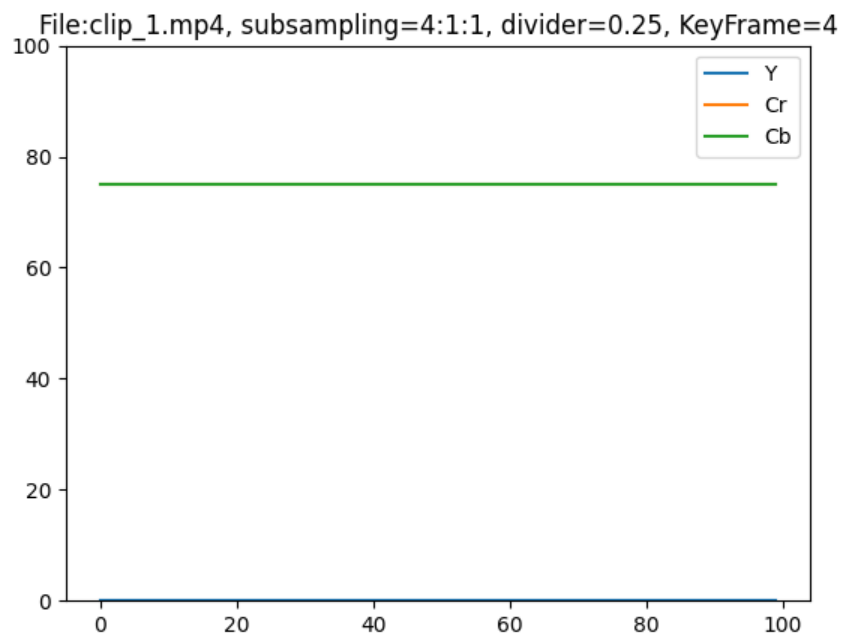


subsampling 4:1:1



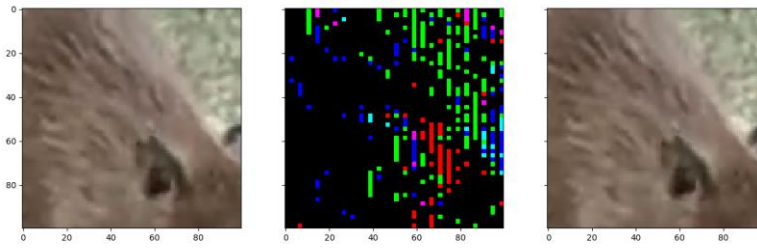


[imgs/clip_1div0.25sampl411.png](#)

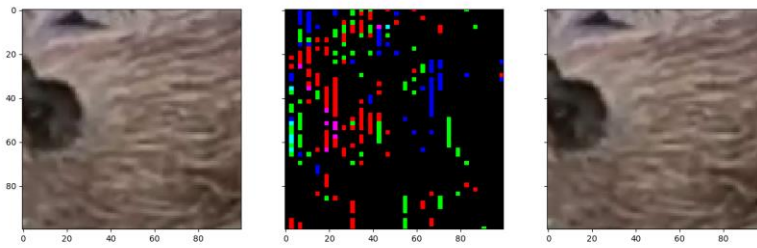


subsampling 4:1:0

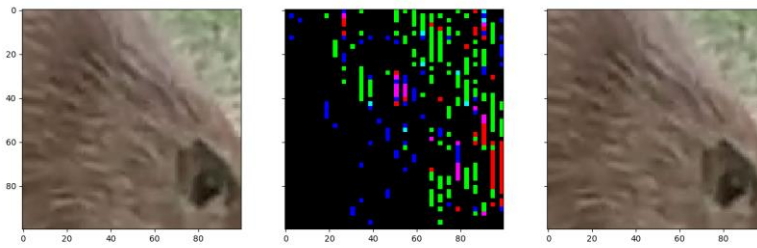
clip_1 roi [70, 170, 460, 560] sampl 410 r 0.25diff.png



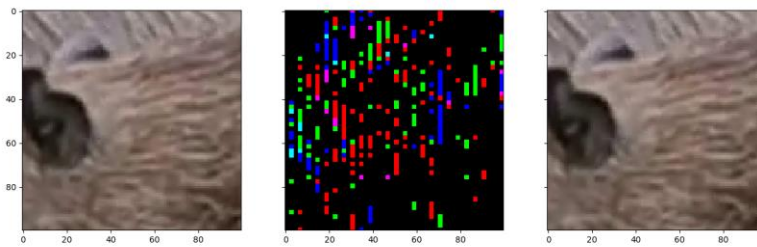
clip_1 roi [345, 445, 1100, 1200] sampl 410 r 0.25diff.png



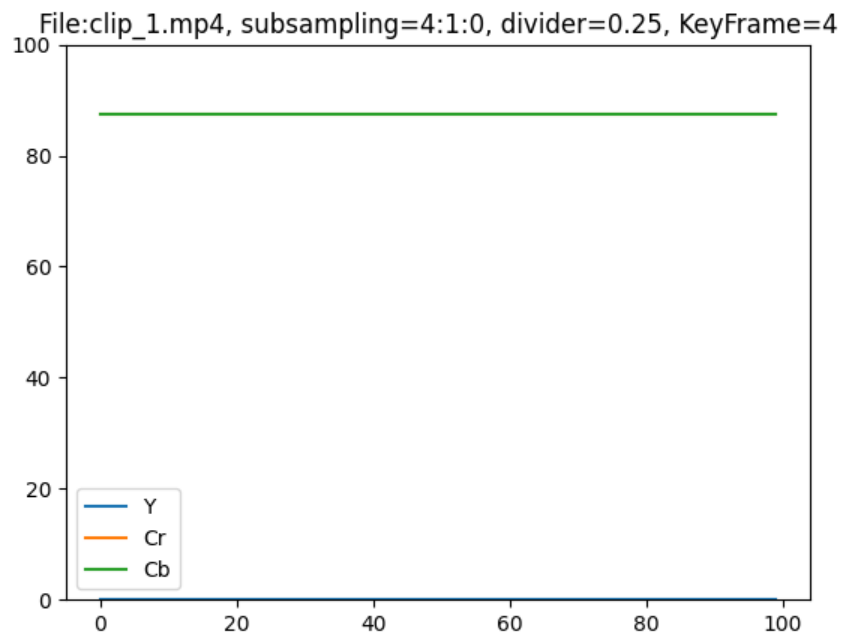
clip_1 roi [70, 170, 460, 560] sampl 410 r 0.25diff.png



clip_1 roi [345, 445, 1100, 1200] sampl 410 r 0.25diff.png



imgs/clip_1div0.25sampl410.png



Wnioski:

Największe zmiany widoczne są w przypadku subsamplingów znacznie redukujących ilość kolumn oraz wierszy. W przypadku zmniejszenia dzielnika, występują minimalne różnice, co pozwala na zmniejszenie ilości przetwarzanych danych bez utraty danych przekazywanych do następnego kroku.