

detected circles and total

```
circles = cv2.HoughCircles(img, cv2.HOUGH_GRADIENT, 2, 160,  
param1=78, param2=57, minRadius=80, maxRadius=140)  
img = cv2.medianBlur(img, 9)
```

Cr#7 x,y=993,133

1 penny
 $r=99$

$x,y=1359,255$

10 pence

$r=126$

Cr#2 x,y=1629,283
5 pence

$r=88$

Cr#5 x,y=1261,471

1 penny

$r=99$

Cr#0 x,y=1679,507

2 pence

$r=132$

Cr#6 x,y=973,641

1 penny

$r=103$

Cr#3 x,y=1411,643

2 pence

$r=134$

Cr#4 x,y=1203,743

1 penny

$r=103$

Total change in the picture 23