

```
clc
clear all
close all
x=imread('circles.PNG');
subplot(2,2,1);
imshow(x);
title('Original Image');
a=x;
x=~x;
ms=bwdist(x);
ms=255-uint8(ms);
subplot(2,2,2);
imshow(ms);
title('Image after applying Distance Transformation');
hs=watershed(ms);
ws=hs==0;
subplot(2,2,3);
imshow(a | ws);
title('Watershed Segmentation of the image');
subplot(2,2,4);
imshow(label2rgb(hs));
title('Visualization of different segments with different color');
```