
```
rgb = imread('coloredChips.png');
figure
imshow(rgb)

d = imdistline;

delete(d);

gray_image = rgb2gray(rgb);
imshow(gray_image);

[centers, radii] = imfindcircles(rgb,[20 25], 'ObjectPolarity', 'dark')

[centers, radii] = imfindcircles(rgb,[20
25], 'ObjectPolarity', 'dark', 'Sensitivity', 0.9)

imshow(rgb);

h = viscircles(centers, radii);

[centers, radii] = imfindcircles(rgb,[20
25], 'ObjectPolarity', 'dark', 'Sensitivity', 0.92);

length(centers)

delete(h); % Delete previously drawn circles
h = viscircles(centers, radii);

[centers, radii] = imfindcircles(rgb,[20
25], 'ObjectPolarity', 'dark', ...
'Sensitivity', 0.92, 'Method', 'twostage');

delete(h);

h = viscircles(centers, radii);

[centers, radii] = imfindcircles(rgb,[20
25], 'ObjectPolarity', 'dark', ...
'Sensitivity', 0.95, 'Method', 'twostage');

delete(h);

viscircles(centers, radii);

imshow(gray_image);

[centersBright, radiiBright] = imfindcircles(rgb,[20
25], 'ObjectPolarity', 'bright', 'Sensitivity', 0.92);
imshow(rgb);

hBright = viscircles(centersBright, radiiBright, 'Color', 'b');
```

```

[centersBright, radiiBright, metricBright] = imfindcircles(rgb,[20
25], 'ObjectPolarity', 'bright', 'Sensitivity', 0.92, 'EdgeThreshold', 0.1);

delete(hBright);

hBright = viscircles(centersBright, radiiBright, 'Color', 'b');

h = viscircles(centers, radii);

centers =

    []

radii =

    []

centers =

    146.1895    198.5824
    328.8132    135.5883
    130.3134     43.8039
    175.2698    297.0583
    312.2831    192.3709
    327.1316    297.0077
    243.9893    166.4538
    271.5873    280.8920

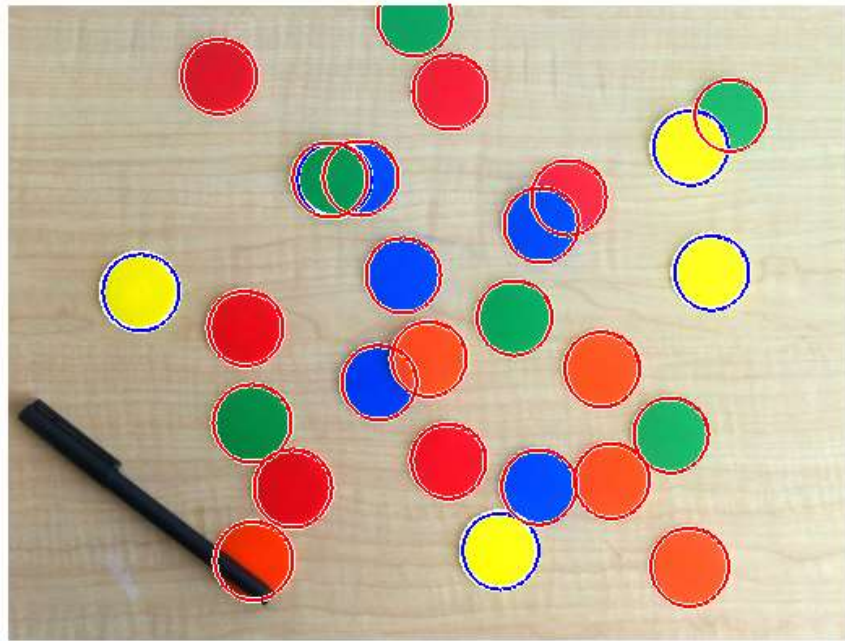
radii =

    23.1604
    22.5710
    22.9576
    23.7356
    22.9551
    22.9995
    22.9055
    23.0298

ans =

    16

```



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