

```
1 # Load image
2
3 setwd("c:/repos/patternrecognition/project/ImageRecognition" )
4 path <- "ImageRecognition/images/ingalls-rink-1.png"
5 image <- readImage(path)
6
7 # Display properties
8
9 print(image)
10
11 # Output:
12 #
13 # Image
14 #   colorMode      : Color
15 #   storage.mode    : double
16 #   dim             : 256 256 4
17 #   frames.total    : 4
18 #   frames.render   : 1
19 #
20 # imageData(object)[1:5,1:6,1]
21 #           [,1]      [,2]      [,3]      [,4]      [,5]      [,6]
22 # [1,] 0.2039216 0.2039216 0.2000000 0.2039216 0.2039216 0.2000000
23 # [2,] 0.2039216 0.2039216 0.2039216 0.2078431 0.2078431 0.2078431
24 # [3,] 0.2039216 0.2078431 0.2078431 0.2078431 0.2117647 0.2156863
25 # [4,] 0.2078431 0.2078431 0.2039216 0.2078431 0.2078431 0.2196078
26 # [5,] 0.2039216 0.2078431 0.2078431 0.2078431 0.2078431 0.2196078
27
28 # Convert image to Grayscale
29
30 colorMode(image) <- Grayscale
31
32 print(image)
33
34 # Image
35 #   colorMode      : Grayscale
36 #   storage.mode    : double
37 #   dim             : 256 256 4
38 #   frames.total    : 4
39 #   frames.render   : 4
40 #
41 # imageData(object)[1:5,1:6,1]
42 #           [,1]      [,2]      [,3]      [,4]      [,5]      [,6]
43 # [1,] 0.2039216 0.2039216 0.2000000 0.2039216 0.2039216 0.2000000
44 # [2,] 0.2039216 0.2039216 0.2039216 0.2078431 0.2078431 0.2078431
45 # [3,] 0.2039216 0.2078431 0.2078431 0.2078431 0.2117647 0.2156863
46 # [4,] 0.2078431 0.2078431 0.2039216 0.2078431 0.2078431 0.2196078
47 # [5,] 0.2039216 0.2078431 0.2078431 0.2078431 0.2078431 0.2196078
48
```