```matlab
clear;
clc;
close all;

[file, folder] = uigetfile('*');
img = imread( [folder,file] );

s = whos( 'img' );
imgsize = s.bytes;
imgsize = imgsize*8;

n = 5;
lim = [30,10,5,3,2,0,0,0,0];
% 30, 20, 10, 5, 3

[img_comp, totsize] = Haar_RecurCompress( img, lim, n);
img_new = Haar_RecurReconstruct( img_comp, n );

comp_ratio = imgsize/totsize;

% Similiarity %

[sim_r, sim_g, sim_b] = imgcompare( img, img_new );
sim = (sim_r + sim_g + sim_b)/3;

% figure;
% subplot(2,1,1)
% imshow( img );
% title( 'Original Image' );
%
% subplot(2,1,2);
% imshow( img_new );
% title( sprintf( 'Image Compressed %fX with %f Percent
Similarity using Recursive Wavelet Compression', comp_ratio,
sim ) );

figure; imshow( img_new );
title( sprintf('%fX Compressed: %f Percent Similar', comp_ratio,
sim ) )
```