```
clear;
clc;
close all;

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

[img_comp, comp_ratio] = Haar_Compress( img, 30 );

[img_new] = Img_Reconstruct( img_comp );

figure;
subplot(2,1,1)
imshow( img );
title( 'Original Image' );

subplot(2,1,2);
imshow( img_new );
title( sprintf( 'Image Compressed to %fX smaller using Haar Wavelets',
comp_ratio ) );
```