***Ideal value of PSNR should be infinity so higher the PSNR better will be the technique.***

**Results for lena image (size 512 \* 512)**

1. Using IQR + Log2.

1.1 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.074648539

PSNR Value : 59.4345862 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.040421804

PSNR Value : 62.0986424 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.021021525

PSNR Value : 64.9381571 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.008767446

PSNR Value : 68.7360685 dB

1.2 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.074501038

PSNR Value : 59.4431761 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.040078481

PSNR Value : 62.1356868 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.020603180

PSNR Value : 65.0254568 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.008402506

PSNR Value : 68.9207108 dB

1.3 Red plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.064881643

PSNR Value : 60.0435809 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.032461802

PSNR Value : 63.0510730 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.014976501

PSNR Value : 66.4106956 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.004459381

PSNR Value : 71.6720535 dB

2. Using Log2 Only

2.1 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.202219645

PSNR Value : 55.1065659 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.105250041

PSNR Value : 57.9425766 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.051172892

PSNR Value : 61.0743997 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.018024445

PSNR Value : 65.6061804 dB

2.2 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.203380585

PSNR Value : 55.0817044 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.105833689

PSNR Value : 57.9185599 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.051661174

PSNR Value : 61.0331566 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.018550873

PSNR Value : 65.4811558 dB

2.3 Red plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.186152140

PSNR Value : 55.4661190 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.092614492

PSNR Value : 58.4980098 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.041898092

PSNR Value : 61.9428568 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.012067159

PSNR Value : 67.3487488 dB

3. using log10

3.1 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.188710531

PSNR Value : 55.4068379 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.093832652

PSNR Value : 58.4412594 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.042390188

PSNR Value : 61.8921459 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.012207031

PSNR Value : 67.2986987 dB

3.2 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.188776652

PSNR Value : 55.4053165 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.093866984

PSNR Value : 58.4396707 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.042420705

PSNR Value : 61.8890205 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.012226105

PSNR Value : 67.2919182 dB

3.3 Red plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.185873668

PSNR Value : 55.4726206 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.092451732

PSNR Value : 58.5056488 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.041840871

PSNR Value : 61.9487921 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.012004852

PSNR Value : 67.3712311 dB

4.Using IQR only

4.1 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.064805349

PSNR Value : 60.0486908 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.032483419

PSNR Value : 63.0481820 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.015046438

PSNR Value : 66.3904624 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.004261017

PSNR Value : 71.8696670 dB

4.2 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.064147949

PSNR Value : 60.0929715 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.032288869

PSNR Value : 63.0742709 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.015036265

PSNR Value : 66.3933996 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.004380544

PSNR Value : 71.7495188 dB

4.3 Red plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE Value : 0.101618449

PSNR Value : 58.0950737 dB

Message : 12345678912345678912345678912345678912345678912345678912345678123456789

Message length in bits :568

MSE Value : 0.050842285

PSNR Value : 61.1025487 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE Value : 0.025221507

PSNR Value : 64.1470890 dB

Message : 123456789

Message length in bits :72

MSE Value : 0.006248474

PSNR Value : 70.2070596 dB