

Quick Reference

DigitalPicture Interface

```
Pixel[][] getPixels2D()           // implemented in SimplePicture
void explore()                   // implemented in SimplePicture
boolean write(String fileName) // implemented in SimplePicture
```

SimplePicture Class (implements Digital Picture)

```
public SimplePicture()
public SimplePicture(int width, int height)
public SimplePicture(SimplePicture copyPicture)
public SimplePicture(String fileName)
public Pixel[][] getPixels2D()
public void explore()
public boolean write(String fileName)
```

Picture Class (extends SimplePicture)

```
public Picture()
public Picture(int height, int width)
public Picture(Picture copyPicture)
public Picture(String fileName)
public Pixel[][] getPixels2D()           // from SimplePicture
public void explore()                   // from SimplePicture
public boolean write(String fileName) // from SimplePicture
```

Pixel Class

```
public double colorDistance(Color testColor)
public double getAverage()
public int getRed()
public int getGreen()
public int getBlue()
public Color getColor()
public int getRow()
public int getCol()
public void setRed(int value)
public void setGreen(int value)
public void setBlue(int value)
public void setColor(Color newColor)
```

java.awt.Color Class

```
public Color(int r, int g, int b)
public int getRed()
public int getGreen()
public int getBlue()
```