How to Set Background and Font Color in XLSX Using POI in Java

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In this page we will learn how to set color in our XLSX. Generally we need to set background color and font color for our rows and cell in excel file. Setting color can be used as heading or column name that increases the readability of excel file. In this example we will understand from scratch how to color in XLSX. All we need is to get an instance of CellStyle and then set the desired color to CellStyle and then assign it to XLSX cell. Create a XSSFWorkbook. Get CellStyle from XSSFWorkbook as below.

CellStyle style = workbook.createCellStyle();

We will set background color and also set the fill pattern. *IndexedColors* provides the index for a desired color. Find the code snippet how to do it.

style.setFillForegroundColor(IndexedColors.GREEN.getIndex());

style.setFillPattern(CellStyle.SOLID\_FOREGROUND);

Now we will see how to set font color. Get Font from XSSFWorkbook . And set desired font color as below. Finally assign the font instance to CellStyle instance.

Font font = workbook.createFont();

font.setColor(IndexedColors.RED.getIndex());

style.setFont(font);

Complete Example

Now we are all set with CellStyle instance that will be used while creating or updating cell. In our example we will create a row with two cell and set the CellStyle. Find the example.   
**ColorXLSX.java**

package com.concretepage.poi;

import java.io.File;

import java.io.FileOutputStream;

import java.io.IOException;

import org.apache.poi.ss.usermodel.Cell;

import org.apache.poi.ss.usermodel.CellStyle;

import org.apache.poi.ss.usermodel.Font;

import org.apache.poi.ss.usermodel.IndexedColors;

import org.apache.poi.ss.usermodel.Row;

import org.apache.poi.ss.usermodel.Sheet;

import org.apache.poi.ss.usermodel.Workbook;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

public class ColorXLSX {

public static void main(String[] args) throws IOException {

Workbook workbook = new XSSFWorkbook();

Sheet sheet = workbook.createSheet("Color Test");

Row row = sheet.createRow(0);

CellStyle style = workbook.createCellStyle();

style.setFillForegroundColor(IndexedColors.GREEN.getIndex());

style.setFillPattern(CellStyle.SOLID\_FOREGROUND);

Font font = workbook.createFont();

font.setColor(IndexedColors.RED.getIndex());

style.setFont(font);

Cell cell1 = row.createCell(0);

cell1.setCellValue("ID");

cell1.setCellStyle(style);

Cell cell2 = row.createCell(1);

cell2.setCellValue("NAME");

cell2.setCellStyle(style);

FileOutputStream fos =new FileOutputStream(new File("D:/xlsx/cp.xlsx"));

workbook.write(fos);

fos.close();

System.out.println("Done");

}

}

To test the example, create a blank XLSX file on desired location and set the path. After running the program, the excel will look like as below.

<https://www.concretepage.com/apache-api/how-to-set-background-and-font-color-in-xlsx-using-poi-in-java>