Sub TestColorTable()

Dim MESSAGE As String

MESSAGE = ColorTbl

If MESSAGE <> "" Then

MsgBox MESSAGE

Else

'do nothing

MsgBox "found nothing"

End If

End Sub

Function ColorTbl() As String

Dim ct As ColorTable

Dim ArrayRGBLongs() As Long

Dim color As Long

Dim r As Byte, g As Byte, b As Byte

Dim MESSAGE As String

MESSAGE = ""

'Get a copy of the colortable that is currently attached to the active design file

Set ct = Application.ActiveDesignFile.ExtractColorTable

Dim cIndex As Long

'Get an array of all of the RGB color values

ArrayRGBLongs = ct.GetColors

'35 is the highest color number assigned to a level

For cIndex = 0 To 35

ExtractRGB ArrayRGBLongs(cIndex), r, g, b

MESSAGE = CheckColor(cIndex, r, g, b)

If MESSAGE <> "" Then

ColorTbl = MESSAGE & ". MORE COLORS MAY BE OFF! " & vbLf & "ATTACH CORRECT COLOR TABLE!"

Exit Function

End If

Next

ColorTbl = MESSAGE

If MESSAGE <> "" Then

MsgBox MESSAGE

End If

End Function

Public Sub ExtractRGB(ByVal longColor As Long, intRed As Byte, intGreen As Byte, intBlue As Byte)

Dim lngColor As Long

lngColor = longColor

intRed = lngColor Mod &H100

lngColor = lngColor \ &H100

intGreen = lngColor Mod &H100

lngColor = lngColor \ &H100

intBlue = lngColor Mod &H100

End Sub

Function CheckColor(chkIndex As Long, r As Byte, g As Byte, b As Byte) As String

Dim MESSAGE As String

Dim CheckIndex As Integer

CheckIndex = CInt(chkIndex)

MESSAGE = ""

Select Case CheckIndex

' 0 is: (r = 255, g = 255, b = 255)

Case 0

If r <> 255 Then

MESSAGE = "Red for Color 0 should be 255 not:" & r & vbCr

End If

If g <> 255 Then

MESSAGE = MESSAGE & "Green for color 0 not 255:" & g & vbCr

End If

If b <> 255 Then

MESSAGE = MESSAGE & "Blue for color 0 should be 255 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 1 is: (r = 0, g = 0, b = 255)

Case 1

If r <> 0 Then

MESSAGE = "Red for color 1 should be 0 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 1 should be 0 not: " & g & vbCr

End If

If b <> 255 Then

MESSAGE = MESSAGE & "Blue for color 1 should be 255 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 2 is: (r = 0, g = 255, b = 0)

Case 2

If r <> 0 Then

MESSAGE = "Red for color 2 should be 0 not: " & r & vbCr

End If

If g <> 255 Then

MESSAGE = MESSAGE & "Green for color 2 should be 255 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 2 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 3 is: (r = 255, g = 0, b = 0)

Case 3

If r <> 255 Then

MESSAGE = "Red for color 3 should be 255 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 3 should be 0 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 3 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 4 is: (r = 255, g = 255, b = 0)

Case 4

If r <> 255 Then

MESSAGE = "Red for color 4 should be 255 not: " & r & vbCr

End If

If g <> 255 Then

MESSAGE = MESSAGE & "Green for color 4 should be 255 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 4 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 5 is: (r = 255, g = 0, b = 255)

Case 5

If r <> 255 Then

MESSAGE = "Red for color 5 should be 255 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 5 should be 0 not: " & g & vbCr

End If

If b <> 255 Then

MESSAGE = MESSAGE & "Blue for color 5 should be 255 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 6 is: (r = 255, g = 127, b = 0)

Case 6

If r <> 255 Then

MESSAGE = "Red for color 6 should be 255 not: " & r & vbCr

End If

If g <> 127 Then

MESSAGE = MESSAGE & "Green for color 6 should be 127 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 6 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 7 is: (r = 0, g = 255, b = 255)

Case 7

If r <> 0 Then

MESSAGE = "Red for color 7 should be 0 not: " & r & vbCr

End If

If g <> 255 Then

MESSAGE = MESSAGE & "Green for color 7 should be 255 not: " & g & vbCr

End If

If b <> 255 Then

MESSAGE = MESSAGE & "Blue for color 7 should be 255 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 8 is: (r = 64, g = 64, b = 64)

Case 8

If r <> 64 Then

MESSAGE = "Red for color 8 should be 64 not: " & r & vbCr

End If

If g <> 64 Then

MESSAGE = MESSAGE & "Green for color 8 should be 64 not: " & g & vbCr

End If

If b <> 64 Then

MESSAGE = MESSAGE & "Blue for color 8 should be 64 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 9 is: (r = 192, g = 192, b = 192)

Case 9

If r <> 192 Then

MESSAGE = "Red for color 9 should be 192 not: " & r & vbCr

End If

If g <> 192 Then

MESSAGE = MESSAGE & "Green for color 9 should be 192 not: " & g & vbCr

End If

If b <> 192 Then

MESSAGE = MESSAGE & "Blue for color 9 should be 192 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 10 is: (r = 254, g = 0, b = 96)

Case 10

If r <> 254 Then

MESSAGE = "Red for color 10 should be 254 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 10 should be 0 not: " & g & vbCr

End If

If b <> 96 Then

MESSAGE = MESSAGE & "Blue for color 10 should be 96 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 11 is: (r = 160, g = 224, b = 0)

Case 11

If r <> 160 Then

MESSAGE = "Red for color 11 should be 160 not: " & r & vbCr

End If

If g <> 224 Then

MESSAGE = MESSAGE & "Green for color 11 should be 224 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 11 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 12 is: (r = 0, g = 254, b = 160)

Case 12

If r <> 0 Then

MESSAGE = "Red for color 12 should be 0 not: " & r & vbCr

End If

If g <> 254 Then

MESSAGE = MESSAGE & "Green for color 12 should be 254 not: " & g & vbCr

End If

If b <> 160 Then

MESSAGE = MESSAGE & "Blue for color 12 should be 160 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 13 is: (r = 128, g = 0, b = 160)

Case 13

If r <> 128 Then

MESSAGE = "Red for color 13 should be 128 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 13 should be 0 not: " & g & vbCr

End If

If b <> 160 Then

MESSAGE = MESSAGE & "Blue for color 13 should be 160 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 14 is: (r = 176, g = 176, b = 176)

Case 14

If r <> 176 Then

MESSAGE = "Red for color 14 should be 176 not: " & r & vbCr

End If

If g <> 176 Then

MESSAGE = MESSAGE & "Green for color 14 should be 176 not: " & g & vbCr

End If

If b <> 176 Then

MESSAGE = MESSAGE & "Blue for color 14 should be 176 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 15 is: (r = 0, g = 240, b = 240)

Case 15

If r <> 0 Then

MESSAGE = "Red for color 15 should be 0 not: " & r & vbCr

End If

If g <> 240 Then

MESSAGE = MESSAGE & "Green for color 15 should be 240 not: " & g & vbCr

End If

If b <> 240 Then

MESSAGE = MESSAGE & "Blue for color 15 should be 240 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 16 is: (r = 240, g = 240, b = 240)

Case 16

If r <> 240 Then

MESSAGE = "Red for color 16 should be 240 not: " & r & vbCr

End If

If g <> 240 Then

MESSAGE = MESSAGE & "Green for color 16 should be 240 not: " & g & vbCr

End If

If b <> 240 Then

MESSAGE = MESSAGE & "Blue for color 16 should be 240 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 17 is: (r = 0, g = 0, b = 240)

Case 17

If r <> 0 Then

MESSAGE = "Red for color 17 should be 0 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 17 should be 0 not: " & g & vbCr

End If

If b <> 240 Then

MESSAGE = MESSAGE & "Blue for color 17 should be 240 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 18 is: (r = 0, g = 240, b = 0)

Case 18

If r <> 0 Then

MESSAGE = "Red for color 18 should be 0 not: " & r & vbCr

End If

If g <> 240 Then

MESSAGE = MESSAGE & "Green for color 18 should be 240 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 18 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 19 is: (r = 240, g = 0, b = 0)

Case 19

If r <> 240 Then

MESSAGE = "Red for color 19 should be 240 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 19 should be 0 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 19 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 20 is: (r = 240, g = 240, b = 0)

Case 20

If r <> 240 Then

MESSAGE = "Red for color 20 should be 240 not: " & r & vbCr

End If

If g <> 240 Then

MESSAGE = MESSAGE & "Green for color 20 should be 240 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 20 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 21 is: (r = 240, g = 0, b = 240)

Case 21

If r <> 240 Then

MESSAGE = "Red for color 21 should be 240 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 21 should be 0 not: " & g & vbCr

End If

If b <> 240 Then

MESSAGE = MESSAGE & "Blue for color 21 should be 240 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 22 is: (r = 240, g = 122, b = 0)

Case 22

If r <> 240 Then

MESSAGE = "Red for color 22 should be 240 not: " & r & vbCr

End If

If g <> 122 Then

MESSAGE = MESSAGE & "Green for color 22 should be 122 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 22 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

' 35 is: r = 225, g = 0, b = 0)

Case 35

If r <> 225 Then

MESSAGE = "Red for color 35 should be 225 not: " & r & vbCr

End If

If g <> 0 Then

MESSAGE = MESSAGE & "Green for color 35 should be 0 not: " & g & vbCr

End If

If b <> 0 Then

MESSAGE = MESSAGE & "Blue for color 35 should be 0 not: " & b & vbCr

End If

CheckColor = MESSAGE

Exit Function

Case Else

CheckColor = ""

End Select

End Function