

# HOW TO USE NON-STANDARD COLOURS IN A TOAD® REPORTS MANAGER REPORT

## LESSON 10

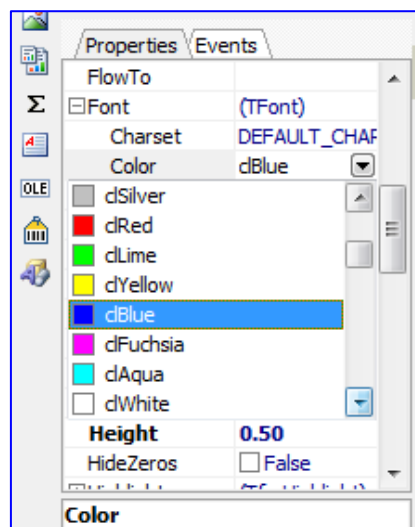
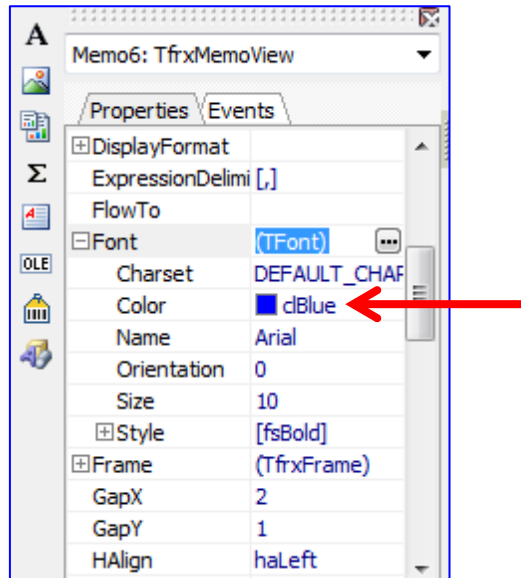
**A step by step guide for using TOAD® Reports Manager's standard and custom colours**

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## 2.1 Option 1 – Using Standard Colours

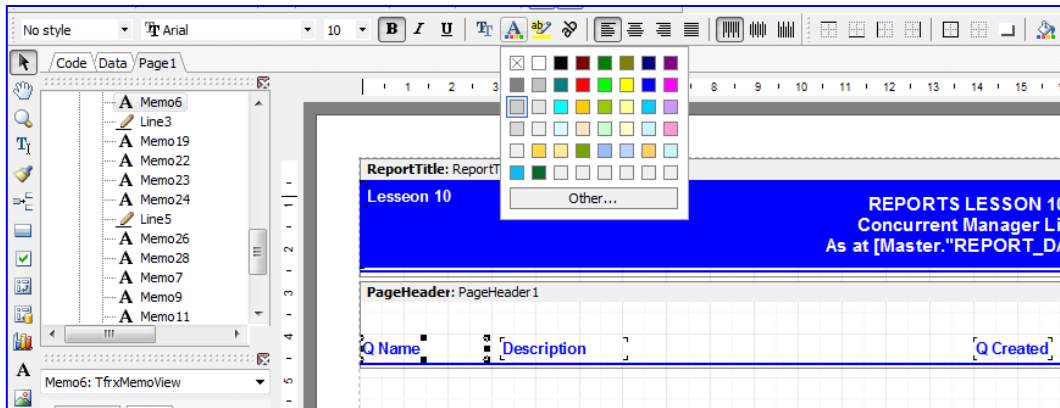
To change an item's colour using to one of the TOAD Reports Managers standard colours, select the attribute whose colour you wish to change, select colour option in the item properties and select one of the standard colours.



## 2.2 Option 2 - Colour Selection Chart

To change an item's colour to either a TOAD Reports Manager's standard colours or to apply a custom colour you can use the font, background or frame colour icon from the menu bar.

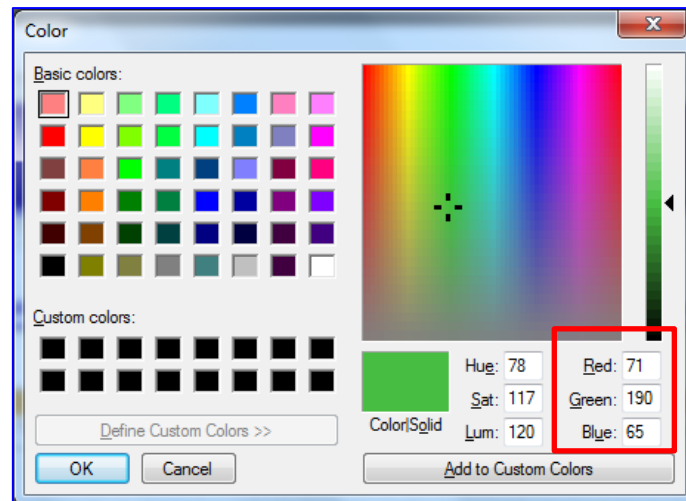
In this example we are going to change the font colour for the column title "Q Name"



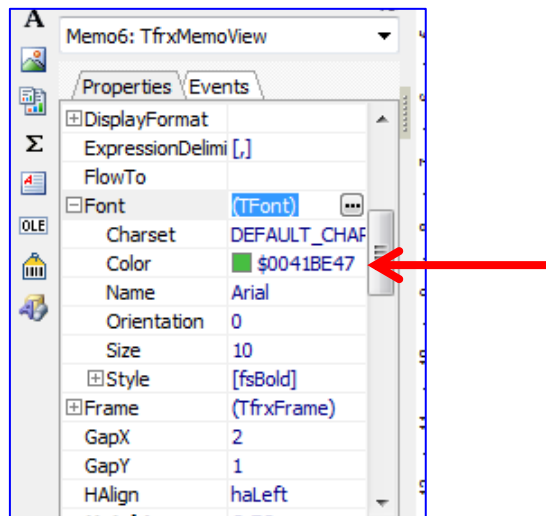
First select the column name you wish to change, than select the [Font Color] icon in the title bar.

You can either select the colour from the defaults or use the "Other" button to select or enter custom colours. If you use the other button you will be presented with a colour chart from which you can select the desired colour.

If you know the RGB colour code for your custom colour you can enter this into the RGB section highlighted in the above figure.

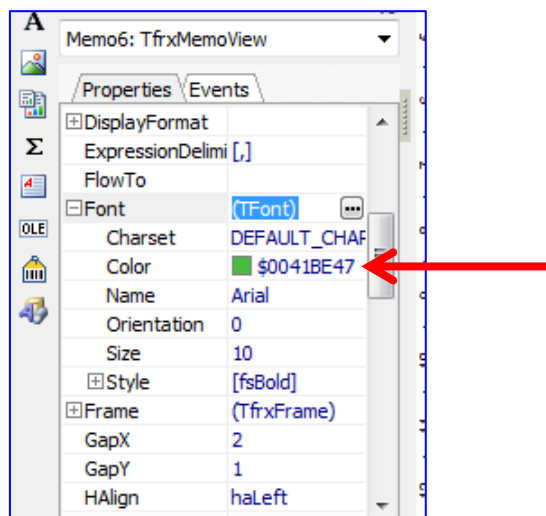


The Internal TColor code will be displayed in the items properties if it not one of the standard colours.



### 2.3 Option 3 – Direct Entry (TColor)

If you know or have calculated your TColor code, that code can be directly entered into the items property values.



The TOAD Reports Manager TColor value can also be used in report coding.

```
Var
  vCustomHeadBg   : integer = $0000FF; // Red
  vCustomHeadTxt  : integer = $000000; // Black
  vCustomLine     : integer = $0000FF; // Red
```

If you have not calculated your TColor value then read on.....

### 3 What's in a colour code

Now is a good time to get a basic understanding of the format of the colour codes and how to determine a colour's TColor value for direct entry in the TOAD Reports Manager.

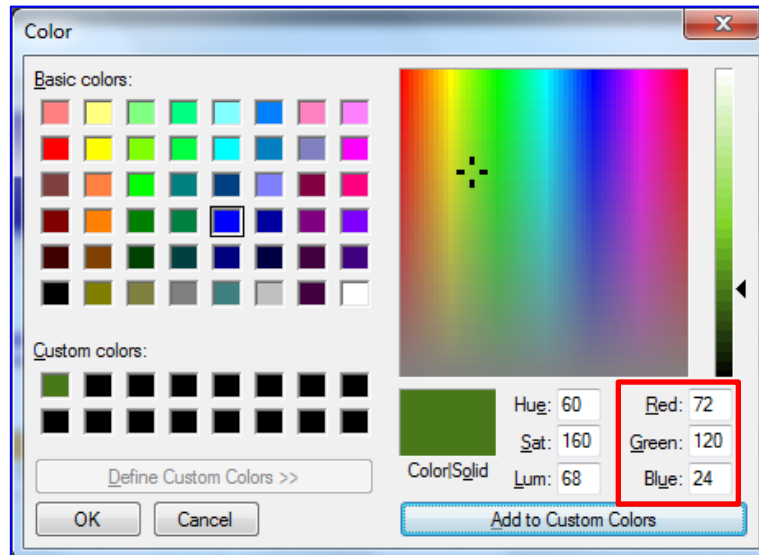
#### 3.1.1 RGB

The name RGB is derived from the initials of the three (3) primary colors, **R**ed, **G**reen, and **B**lue. The RGB Colour model is an additive of the three primary colours, that is each of the three colours can be added together in different quantities to produce a wide range of colours. The colour values expressed in the RGB format is defined as a value for each of the three colours from 0 to 255.

#### Example

	RGB
Black	0, 0, 0
Red	255, 0, 0
Green	0, 255, 0
Blue	0, 0, 255
Yellow	255, 255, 0
White	255, 255, 255

If you know your RGB colour code it can be entered directly the colour selection chart as shown. You could save the colour for future use by clicking the [Add to Custom Colours Button], but once you exit the TOAD session the custom colours are not retained.



### 3.1.2 HEX values

The HEX (hexadecimal) colours values are expressed as a set of three, two alpha numeric values representing the RGB (Red, Green and Blue) colours. Each pair of values represents the base 16 value of it's corresponding RGB value.

The Hex format's is the first pair of value is Red the second pair is for Green and the last pair is for Blue - **RRGGBB**

#### Example

	RGB	HEX
Black	0, 0, 0	000000
Red	255, 0, 0	FF0000
Green	0, 255, 0	00FF00
Blue	0, 0, 255	0000FF
Yellow	255, 255, 0	FFFF00
White	255, 255, 255	FFFFFF

There are any number of RGB to HEX converters available on the web. In addition most web site colour charts provide both RGB and HEX colours values.

### 3.2 Now this is where it gets interesting

TOAD Reports Manager colours use the TColour format, which takes the following hexadecimal format:

\$00FFFFFF

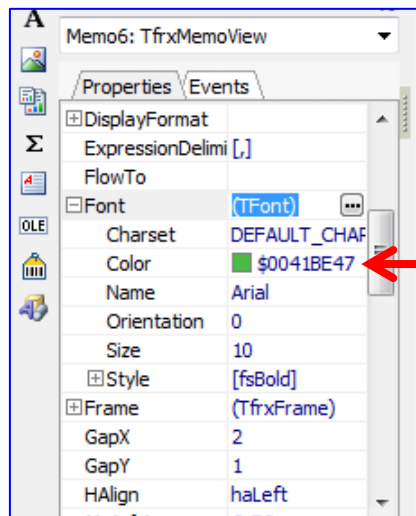
The first three values \$00 are internal and should not be changed.

The remaining six (6) values are the HEX colour codes. However, the primary difference with TColour codes is that the HEX colour values are reversed: **\$00BBGGRR**

Example:

Colour	RGB	HEX	TColour
Black	0, 0, 0	000000	\$00000000
Red	255, 0, 0	FF0000	\$000000FF
Green	0, 255, 0	00FF00	\$0000FF00
Blue	0, 0, 255	0000FF	\$00FF0000
Yellow	255, 255, 0	FFFF00	\$00FFFF00
White	255, 255, 255	FFFFFF	\$00FFFFFF

Once you have calculated your TColour code it can be entered directly into the attribute properties.



How simple is that 😊



## 4 Report Coding

We have provided an example TOAD Reports Manager report (TRD format) listing the currently configured concurrent managers. If the instance is a production instance the report will be generated using a Red colour scheme. If the instance is non-production instance the report will be generated using the default (Blue) colour scheme. In this example we use a report parameter to change the colour. In the real world you would pass a value from the source SQL as we will demonstrate.

You can download the report using the following link: [Example Report](#) (TRD Format)

### Example Non-Production Instance Colour Scheme

Lesson 10		REPORTS LESSON 10 Concurrent Manager List As at 26-Apr-13 (Fri) 12:51				Company Name			
Q Name	Description	Q Created	Status	Sleep	Cache	Processes		Concurrent Requests	
						Max	Running	Pending	Running
FNDICM	Internal Manager	19-Jul-95	Active	60		1	1	0	0
FNDCRM	Conflict Resolution Manager	07-Nov-96	Active	30		1	1	0	0
STANDARD	Standard Manager	19-Jul-95	Active	60	4	2	2	1	0
ARTAXMGR	Receivables Tax Manager	01-Jan-80	Active	60		0	0	0	0
CRPINQMGR	CRP Inquiry Manager	07-Nov-96	Active	60		0	0	0	0
INV MGR	Inventory Manager	19-Jul-95	Active	60	1	0	0	1	0
INVTMRPM	INV Remote Procedure Manager	07-Nov-96	Active	30		0	0	0	0
MRPMGR	MRP Manager	19-Jul-95	Active	60	1	0	0	0	0
OESHTM	Shipping Transaction Manager	01-Jan-80	Active	60		0	0	0	0
PASMGR	PA Streamline Manager	19-Jul-95	Active	1	1	0	0	0	0
PODAMGR	PO Document Approval Manager	01-Jan-80	Active	60		0	0	0	0
RCVLT M	Receiving Transaction Manager	23-Dec-97	Active	60		0	0	0	0
RCVLT M14	RCVT M	01-Jan-80	Active	60		0	0	0	0
SLOW QUEUE	SLOW QUEUE	03-Mar-11	Active	60		1	1	2	0
FNDSCH	Scheduler/Prereleaser Manager	09-Sep-97	Disabled	30		0	0	0	0

Change the “COLOUR\_CODE” Parameter to upper or lowercase “P”

+ -		Parameters		
Name	Type	Value (Literal)	Value (Expre... /	
COLOUR_CODE	String	P		

If the parameter value of “P” is entered, the report will be generated with a “Production” colour set.

## Example Production Instance Colour Scheme

Lesseon 10		REPORTS LESSON 10 Concurrent Manager List As at 26-Apr-13 (Fri) 12:54				Company Name			
Q Name	Description	Q Created	Status	Sleep	Cache	Processes		Concurrent Requests	
						Max	Running	Pending	Running
FNDICM	Internal Manager	19-Jul-95	Active	60		1	1	0	0
FNDCRM	Conflict Resolution Manager	07-Nov-96	Active	30		1	1	0	0
STANDARD	Standard Manager	19-Jul-95	Active	60	4	2	2	1	0
ARTAXMGR	Receivables Tax Manager	01-Jan-80	Active	60		0	0	0	0
CRPINQMGR	CRP Inquiry Manager	07-Nov-96	Active	60		0	0	0	0
INV MGR	Inventory Manager	19-Jul-95	Active	60	1	0	0	1	0
INVTMRPM	INV Remote Procedure Manager	07-Nov-96	Active	30		0	0	0	0
MRPMGR	MRP Manager	19-Jul-95	Active	60	1	0	0	0	0
OESHTM	Shipping Transaction Manager	01-Jan-80	Active	60		0	0	0	0
PAS MGR	PA Streamline Manager	19-Jul-95	Active	1	1	0	0	0	0
PODAMGR	PO Document Approval Manager	01-Jan-80	Active	60		0	0	0	0
RCVOLT M	Receiving Transaction Manager	23-Dec-97	Active	60		0	0	0	0
RCVOLT M14	RCVTM	01-Jan-80	Active	60		0	0	0	0
SLOW QUEUE	SLOW QUEUE	03-Mar-11	Active	60		1	1	2	0
FND SCH	Scheduler/Prereleaser Manager	09-Sep-97	Disabled	30		0	0	0	0

We used a simple parameter value change to demonstrate the concept. In reality you would most likely pass a value with each report SQL statement indicating if the target instance is a production instance and change the colour of the report.

Example:

The following SQL uses the application site name and returns a value of 1 if the text PROD appears in the instance site name or a value of 0 if not.

```
SELECT sign(instr(upper(fpov.profile_option_value), 'PROD')) prod_instance
FROM applsys.fnd_profile_option_values fpov
WHERE fpov.level_id(+) = 10001
and fpov.application_id = 0
and fpov.profile_option_id = 125;
```

You can then add this to each of your TOAD Report Managers report SQL statements.

```
SELECT instance_type.prod_instance,
fu.user_id,
fu.user_name,
fu.description,
to_char(fu.last_logon_date, 'DD-Mon-YY HH24:MI') last_logon_date
FROM applsys.fnd_user fu,
( SELECT sign(instr(upper(fpov.profile_option_value), 'PROD')) prod_instance
FROM applsys.fnd_profile_option_values fpov
WHERE fpov.level_id(+) = 10001
and fpov.application_id = 0
and fpov.profile_option_id = 125) instance_type
WHERE fu.user_name = 'GPIPER';
```

When creating the base report set all the colour values to your default colour scheme, then use report code to change the colours based on the received parameter.

## 5 Example Report code

```
procedure SetReportColoursOnBeforePrint (Sender: TfrxComponent);

Var
  vCustomHeadBg   : integer = $0000FF; // Red
  vCustomHeadTxt  : integer = $000000; // Black
  vCustomLine     : integer = $0000FF; // Red
  vCustomColHead  : integer = $0000FF; // Red

begin

  // Production Instance Colours
  if (<Master."COLOUR_CODE"> = 'P' ) OR ( <Master."COLOUR_CODE"> = 'p' )
  then
    begin
      Memo2.Color := vCustomHeadBg; // Page Header Background Colour
      Line1.Frame.Color := vCustomLine;
      Line2.Frame.Color := vCustomLine;
      Line3.Frame.Color := vCustomLine;
      Line4.Frame.Color := vCustomLine;
      Line5.Frame.Color := vCustomLine;
      Line6.Frame.Color := vCustomLine;
      Memo2.Font.Color := vCustomHeadTxt;
      Memo3.Font.Color := vCustomHeadTxt;
      Memo4.Font.Color := vCustomHeadTxt;
      Memo6.Font.Color := vCustomColHead;
      Memo7.Font.Color := vCustomColHead;
      Memo9.Font.Color := vCustomColHead;
      Memo11.Font.Color := vCustomColHead;
      Memo13.Font.Color := vCustomColHead;
      Memo14.Font.Color := vCustomColHead;
      Memo18.Font.Color := vCustomColHead;
      Memo19.Font.Color := vCustomColHead;
      Memo22.Font.Color := vCustomColHead;
      Memo23.Font.Color := vCustomColHead;
      Memo24.Font.Color := vCustomColHead;
      Memo26.Font.Color := vCustomColHead;
      Memo28.Font.Color := vCustomColHead;

      end;

    end;

  begin

  end.

end.
```

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