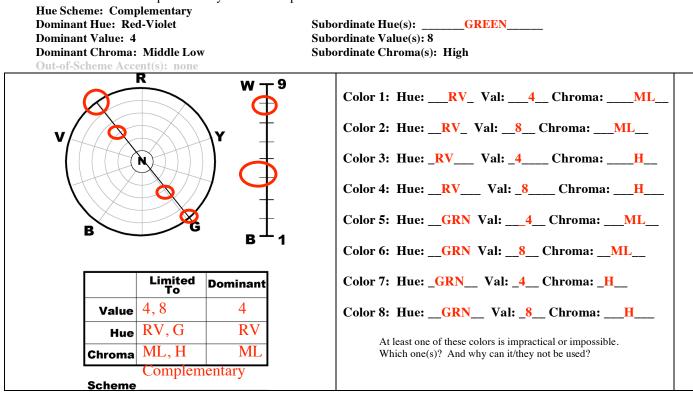
COMPLETED PROBLEMS

Color Planning Problem 1: (solution)

Plan and chart the 8 colors produced by a strict interpretation of this scheme:



Note: the order of "Color1", "Color2", etc. does NOT matter. Just make sure that each color within the scheme is identified and specified.

Notice that the "RV" color specs are repeated in the "Grn" colors – that is, the Value-Chroma specs are repeated.

RV 7 H (high chroma not possible at a value 7)

G 7 H (H chroma likely not possible at value 7 -- though Munsell allows any chroma over 10 to be considered 'high'

Color Planning Problem 2: (solution) Plan and chart the 6 colors produced by a strict interpretation of this scheme: Hue Scheme: Monochromatic **Dominant Hue: Blue Green** Subordinate Hue(s): _(NONE)_ **Dominant Value: 3** Subordinate Value(s): 1,7 Subordinate Chroma(s): Middle High **Dominant Chroma: Low Out-of-Scheme Accent(s): none** R q Color 1: Hue: <u>BG</u> Val: <u>1</u> Chroma: <u>L</u> Color 2: Hue: <u>BG</u> Val: <u>3</u> Chroma: <u>L</u> V Color 3: Hue: <u>BG</u> Val: <u>7</u> Chroma: <u>L</u> Ν Color 4: Hue: <u>BG</u> Val: <u>1</u> Chroma: <u>MH</u> Color 5: Hue: <u>BG</u> Val: <u>3</u> Chroma: <u>MH</u> G В Color 6: Hue: <u>BG</u> Val: <u>7</u> Chroma: <u>MH</u> Limited To At least one of these colors is impractical or impossible. Dominant Which one(s)? And why can it/they not be used? Value 3 Hue RG BG Chroma

Note: the order of "Color1", "Color2", etc. does NOT matter. Just make sure that each color within the scheme is identified and specified.

Unlikely Colors in the scheme:

Scheme

Л

Monochromatic

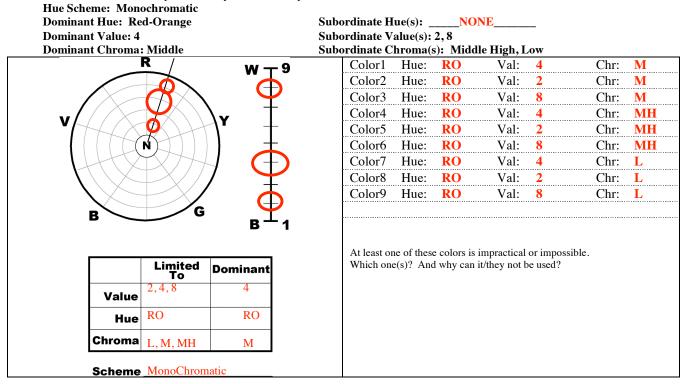
BG 1/MH is somewhat unlikely - particularly since "value 1" we treat as black (the Actual Munsell color model, value 1 is quite dark, but not black.) However, a pigment such as Thalo Green does have a lot of chroma range, but it is so dark that we looks its effective chroma.

BG 7/MH is also unlikely.

Name:

Color Planning Problem 3: (solution)

Plan and chart the 9 colors produced by a strict interpretation of this scheme:



Name: _____

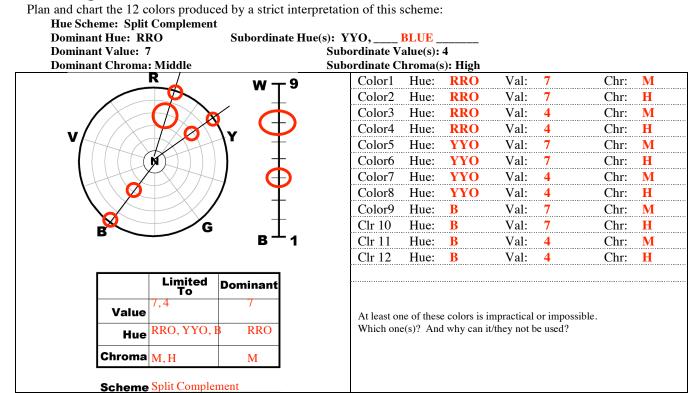
Color Planning Problem 4: (Solution)

Densin and Har V		with neutral)		of-Scheme		(s): none				
Dominant Hue: Ye Dominant Value: 3		Subordinate H				1 7				
Dominant Value: 3 Dominant Chroma				ordinate V		· ·	II:ah N	[antro]		
	: Low R		Subo			s): Middle			Chan	T
	<u> </u>	₩ _ 9		Color1	Hue:	YO	Val:	3	Chr:	Ļ
		/ +		Color2	Hue:	YO	Val:		Chr:	
	X			Color3	Hue:	YO	Val:	7	Chr:	L
v///X		\mathbf{y}		Color4	Hue:	YO	Val:	3	Chr:	MH
	X	1 • +		Color5	Hue:	YO	Val:	1	Chr:	MH
	N I			Color6	Hue:	YO	Val:	7	Chr:	MH
				Color7	Hue:	YO (N)	Val:	3	Chr:	Ν
$ \land \land \land \land \land$	X//	$/ \vee$		Color8	Hue:	YO (N)	Val:	1	Chr:	N
		′ Ť		Color9		YO (N)	Val:	7	Chr:	N
В	Limited To	B ¹ 1				e colors is im l why can it/t			ible.	
Value Hue	3,1,7 YO,N	3 YO								

Unlikely or impossible colors in the scheme:

YO 1/MH is the least likely color in the scheme. YO at value 1 (a very dark brown), has very little range of chroma.

Color Planning Problem 5: (solution)



Impossible or unlikely colors in the scheme:

The high-chroma colors will often be impossible. The following are most likely impossible: RRO 7/H

YYO 4/H

Name:

B 7/H

Each of these chroma-value combinations are a long way from each hue's intrinsic value.

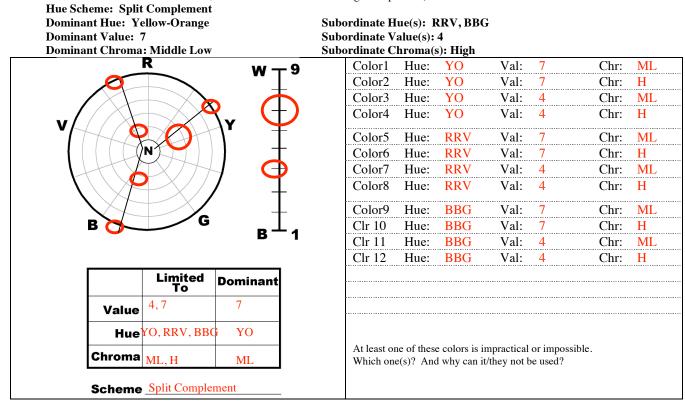
Plan and chart the 12 colors produced by a strict interpretation of this scheme: Hue Scheme: Split Complement Dominant Hue: Subordinate Hue(s): GYG, GBG __ RV Dominant Value: 4 Subordinate Value(s): 7 **Dominant Chroma: Middle** Subordinate Chroma(s): Low R Color1 Hue: RV Val: 4 Chr: Μ 9 W Color2 Hue: RV Val: 4 Chr: L 7 Color3 Hue: RV Μ Val: Chr: 7 Color4 Hue: RV Val: Chr: L ν Color5 Hue: GYG Val: 4 Chr: Μ Color6 Hue: GYG Val: 4 Chr: L 7 Μ Color7 Hue: GYG Val: Chr: 7 Color8 Hue: GYG Val: Chr: L Color9 Hue: **GBG** Val: 4 Chr: Μ Clr 10 Hue: GBG Val: 4 Chr: L G В В Clr 11 Hue: GBG Val: 7 Chr: M Clr 12 Val: 7 Hue: GBG Chr: L Limited To Dominant 4 4.7Value RV, GYG, GBG RV Hue At least one of these colors is impractical or impossible. Chroma Μ Μ Which one(s)? And why can it/they not be used? Scheme Split Complement

Color Planning Problem 6: (solution)

These color are likely all possible – since the highest chroma in the scheme is Middle, most hues can at mid-values (4 and 7, here)

Color Planning Problem 7: (solution)

Plan and chart the 12 colors produced by a strict interpretation of this scheme. Then select instances/colors of subordinate hues so that dominant chroma and dominant value are used to relate all hues. (that is, you *will eliminate some colors* that are possible in this scheme in order to create a smaller, more limited and more manageable palette.)



Name: ___

Color Planning Problem 8: (solution)

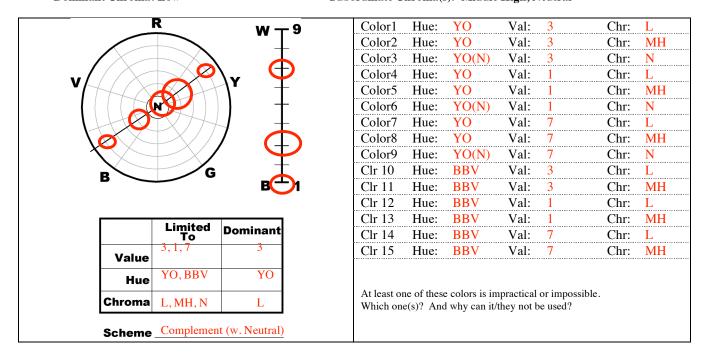
Plan and chart the 15 distinct colors produced by a strict interpretation of this scheme:

Hue Scheme: Complementary (with neutral)

Dominant Hue: Yellow-Orange Subordinate Hue(s):

Dominant Value: 3 Dominant Chroma: Low ue(s): ____BBV____ Subordinate Value(s): 1,7

Subordinate Chroma(s): Middle High, Neutral



Note: the *order* of "Color1", "Color2", etc. does *NOT* matter. Just make sure that each color within the scheme is identified and specified.

Note that some colors have been skipped since they are effectively repeats of the same color. In particular,

- YO 1/N is the same color as BBV 1/N,
- YO 3/N is the same color as BBV 3/N,
- YO 7/N is the same color as BBV 7/N,

because they are each "neutral" (chroma) at the same value .