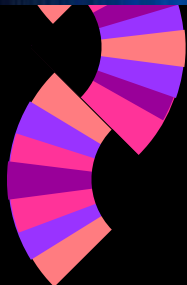
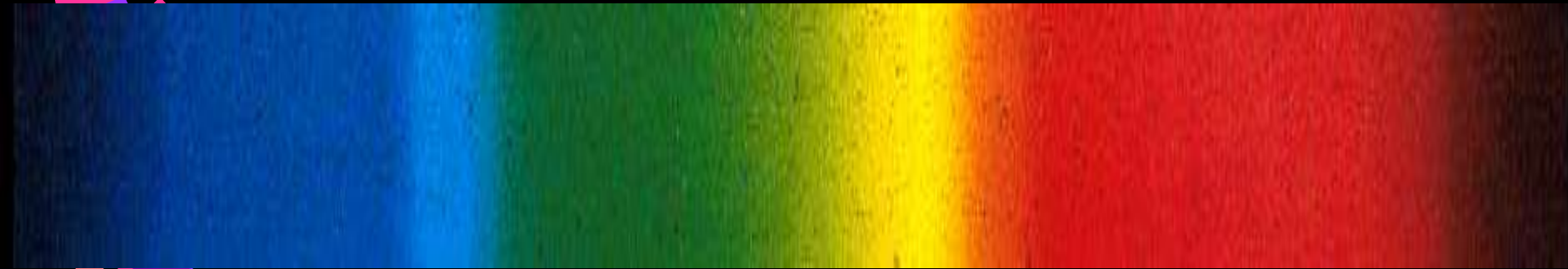
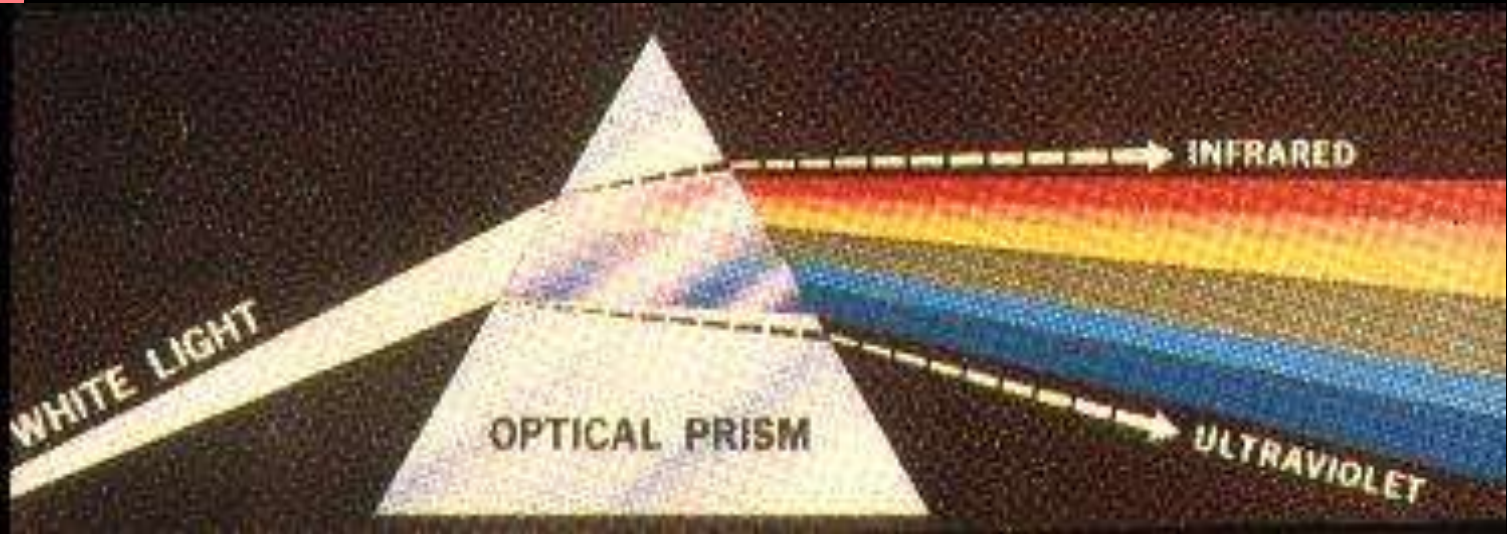
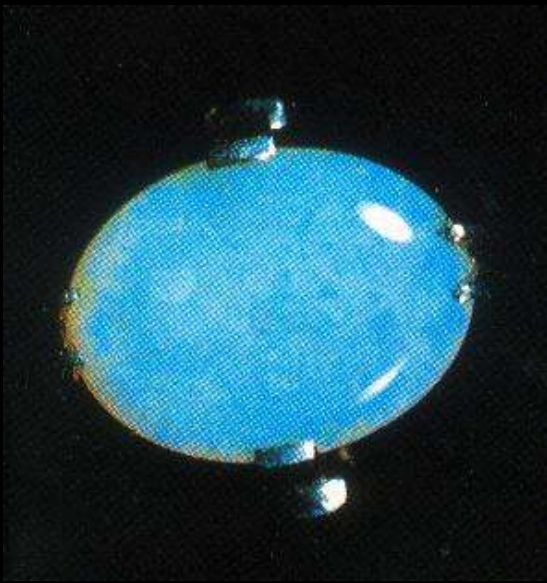
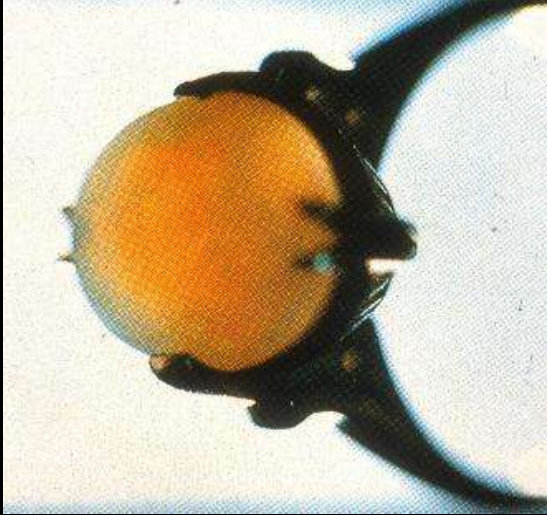
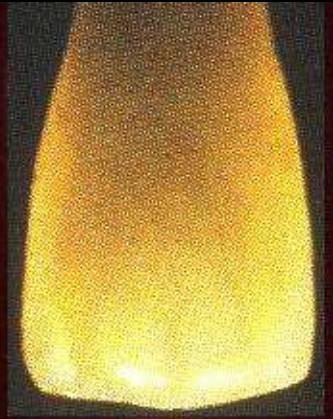




*Fargelære og bruk av VITA-3D  
fargeskalaen*

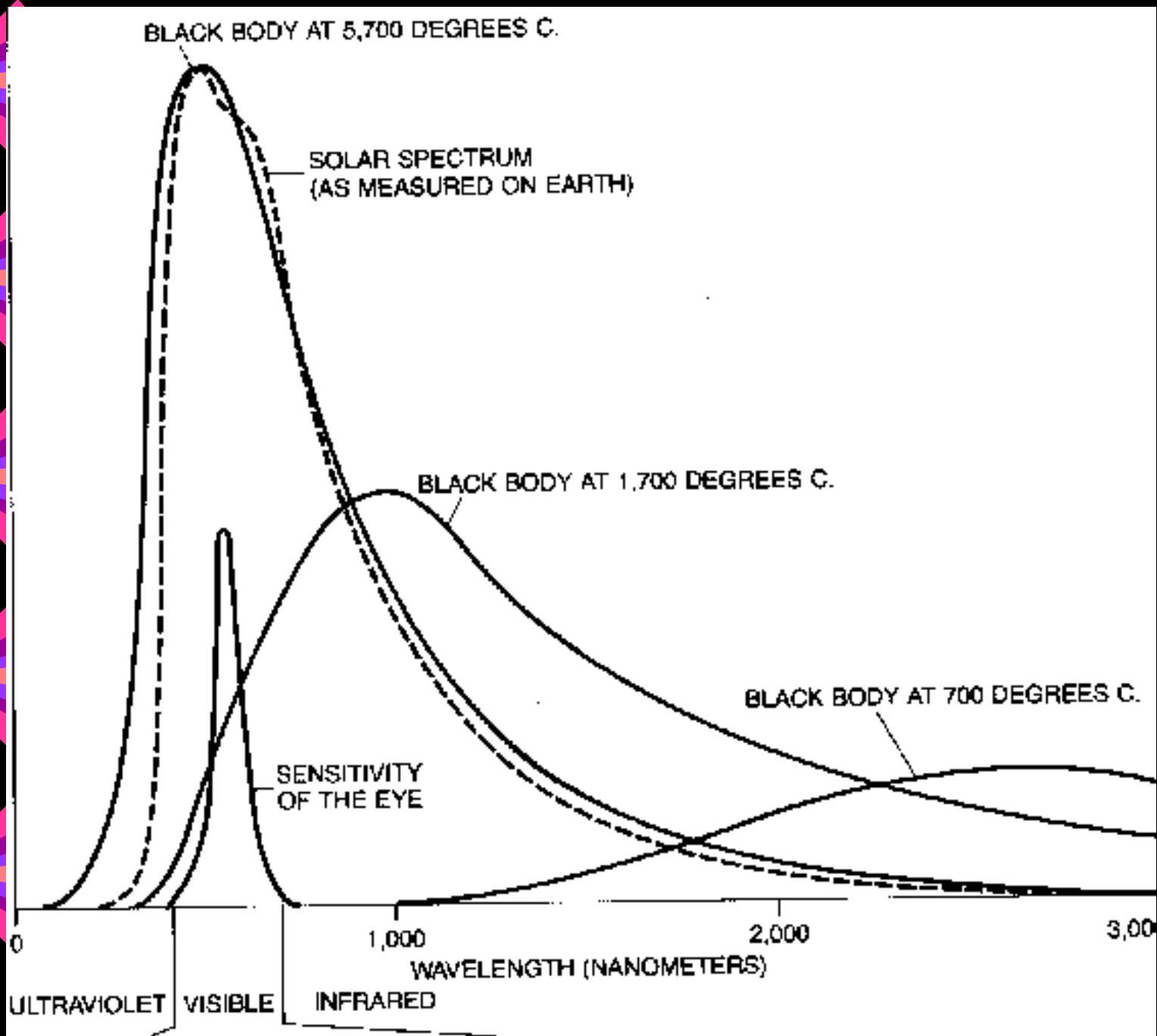
Asbjørn Jokstad  
Institutt for klinisk odontologi  
Universitetet i Oslo



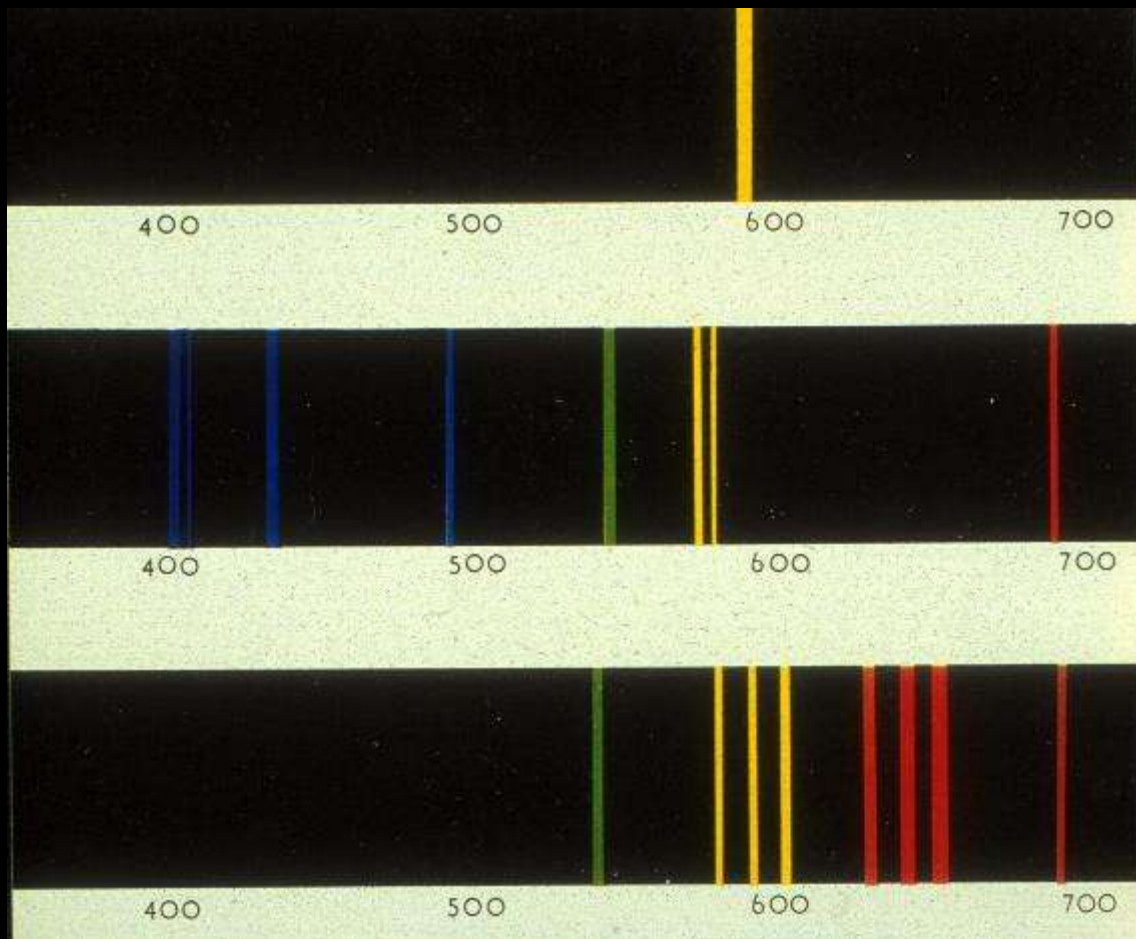
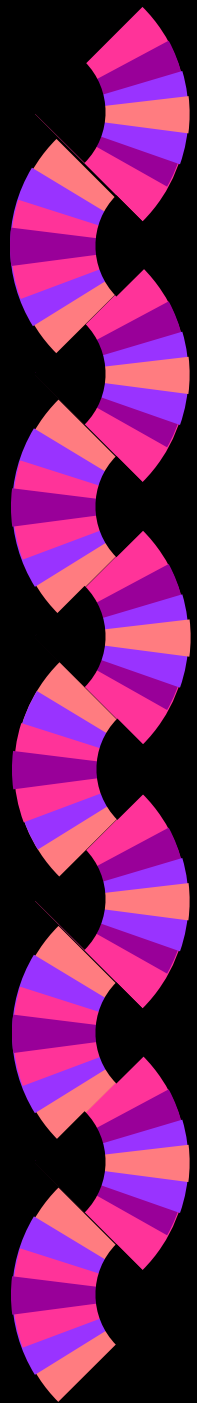


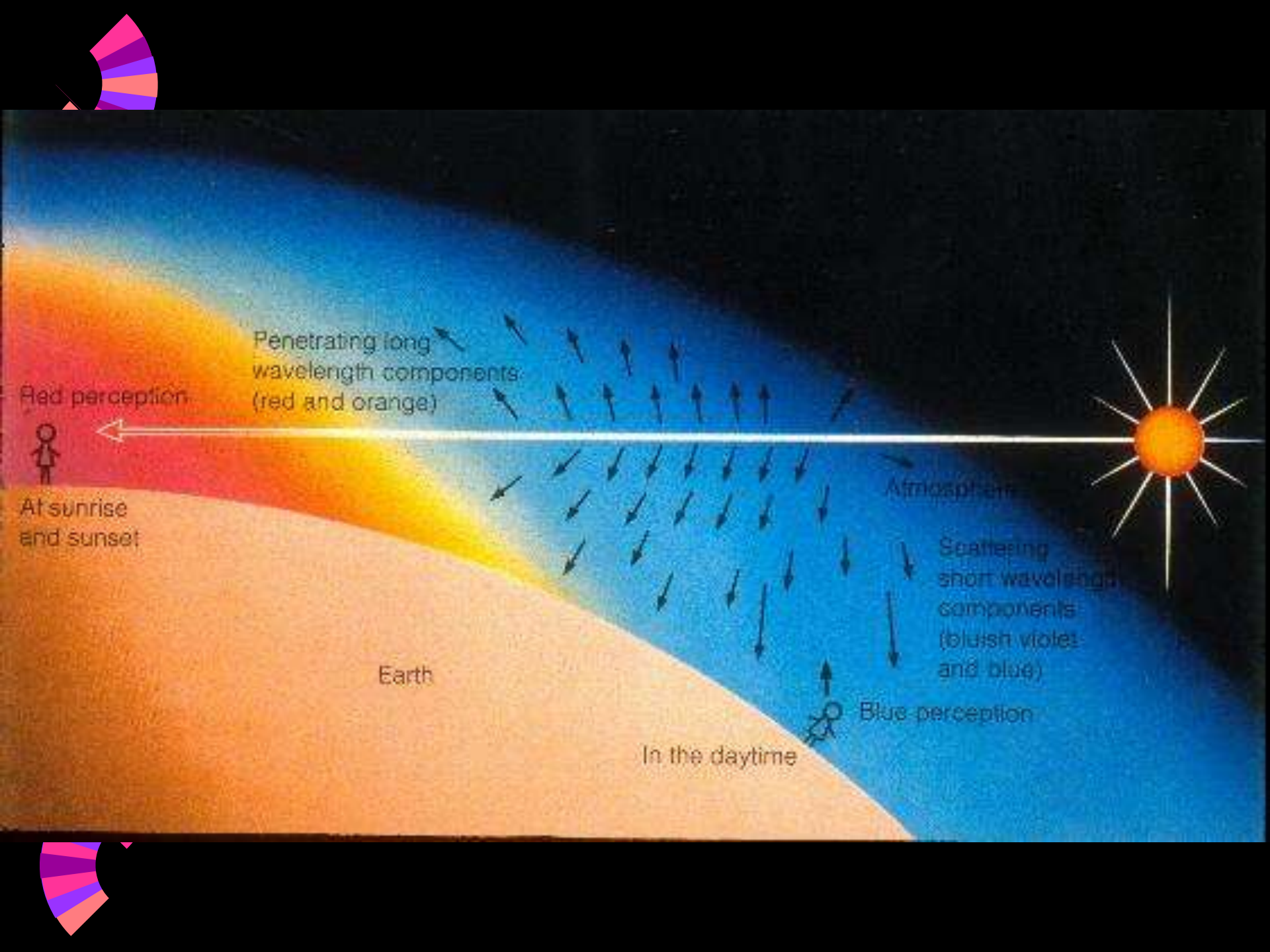


*Lyskilder*

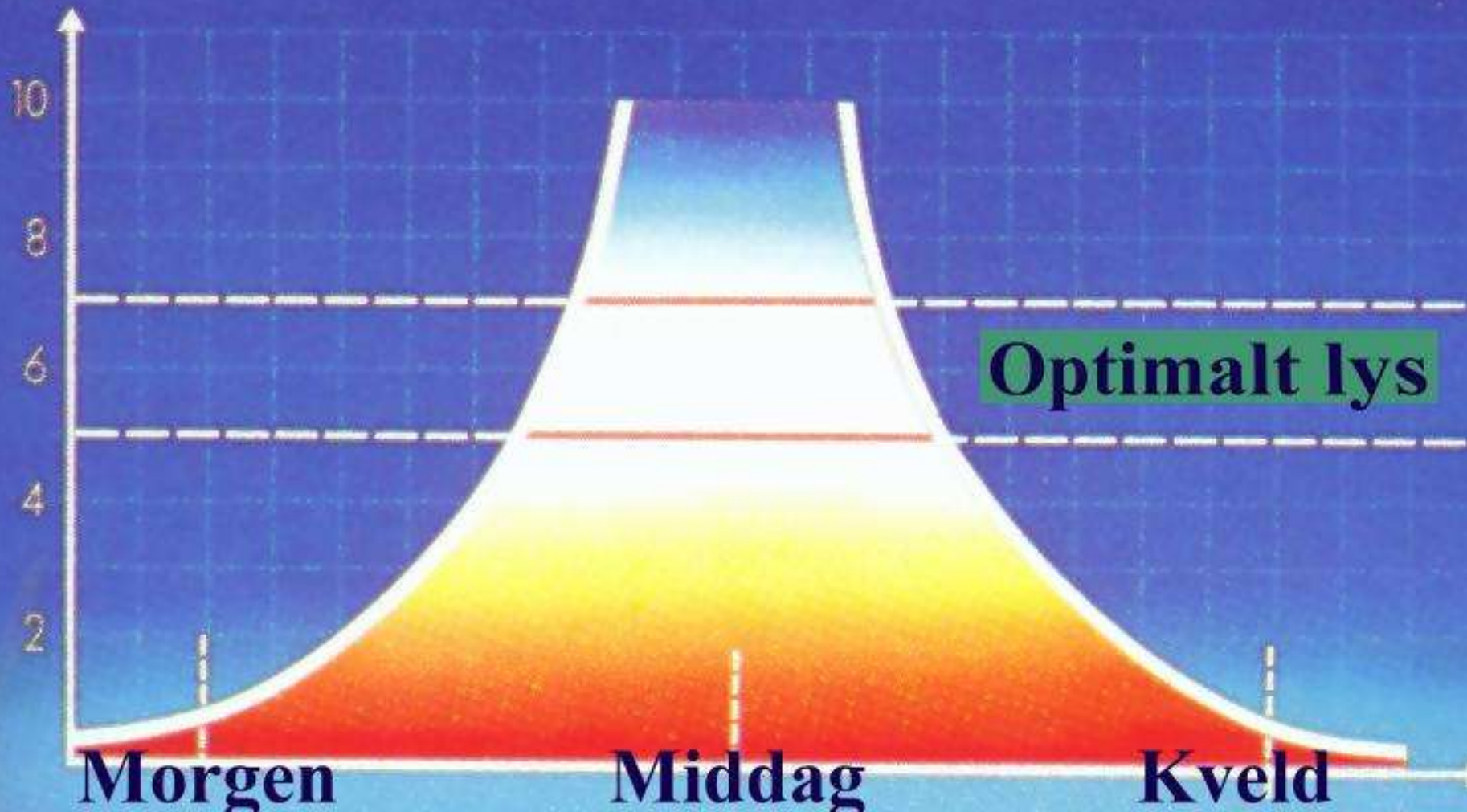








$\times 1000^\circ\text{K}$



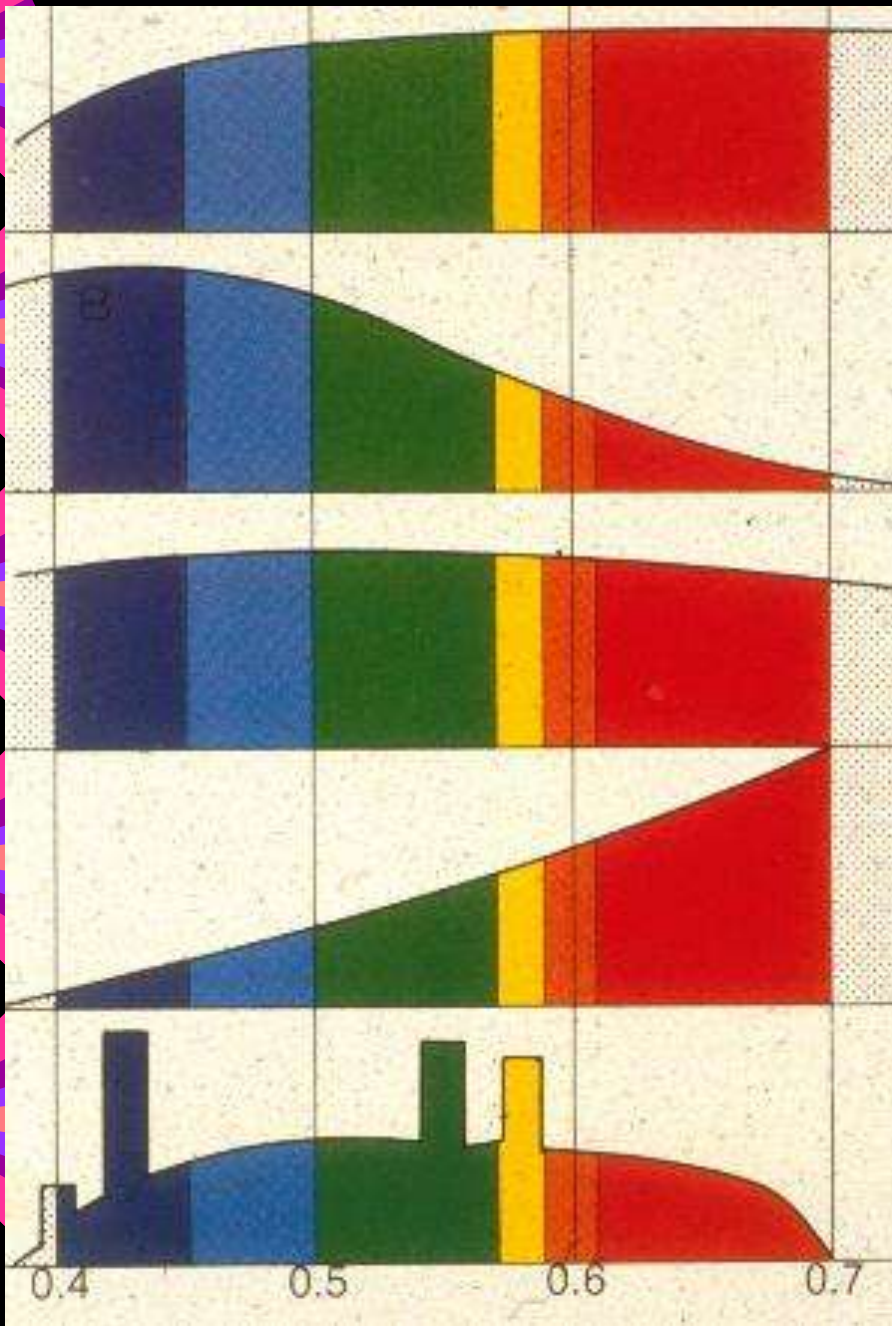
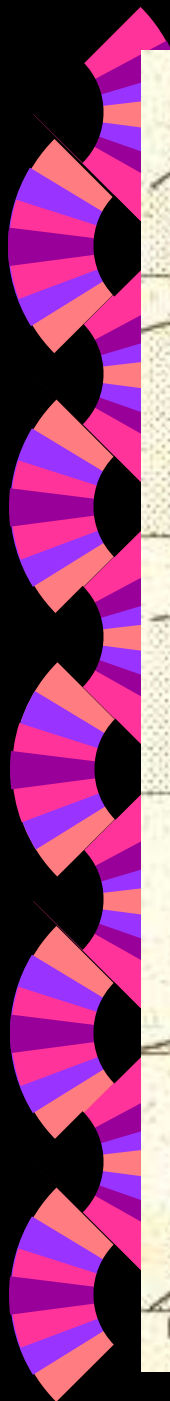
**Optimalt lys**

**Morgen**

**Middag**

**Kveld**





Blått — 50 50



Cyan — — 50



G

Rødt 50 50 —



Gult 50 — —







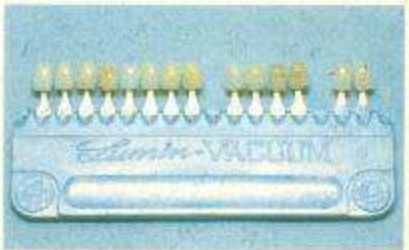
Direct sunlight



Blue sky light



Electric bulb light



Fluorescent lamp light



**Dagslys**



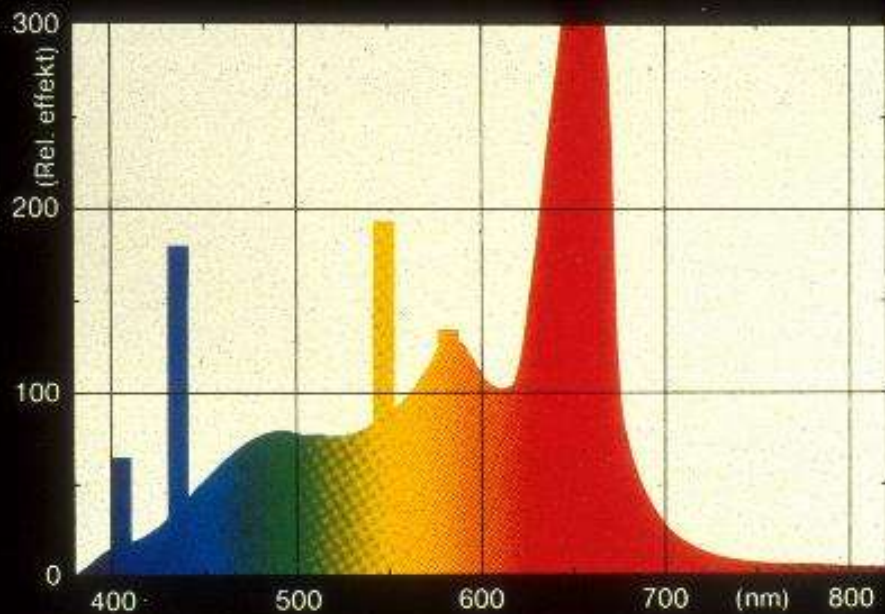
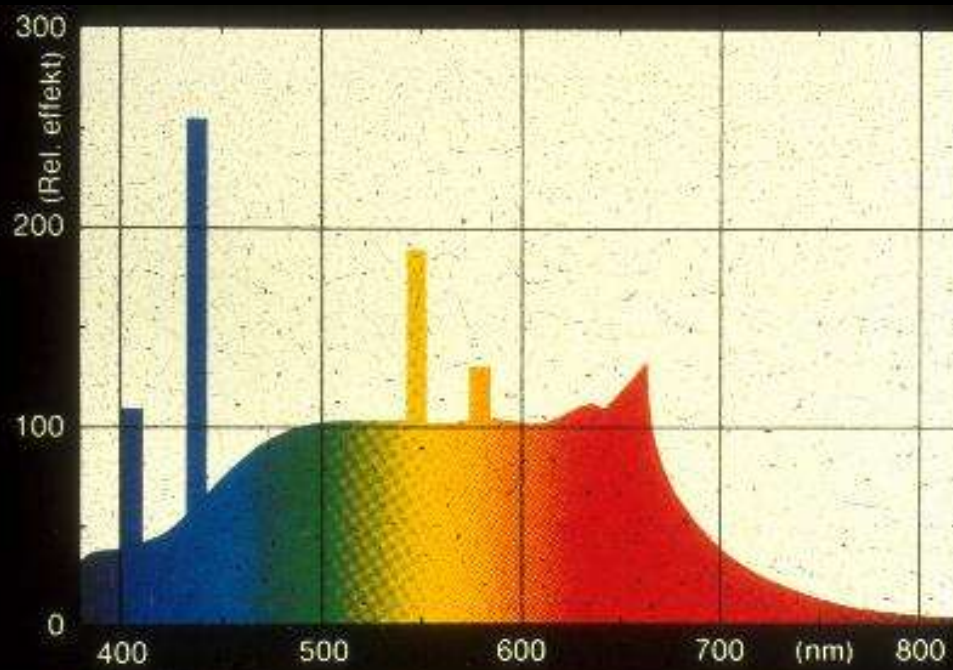
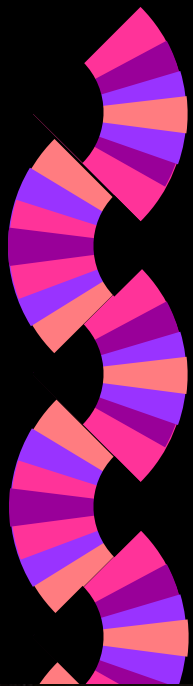
**Lysrør**



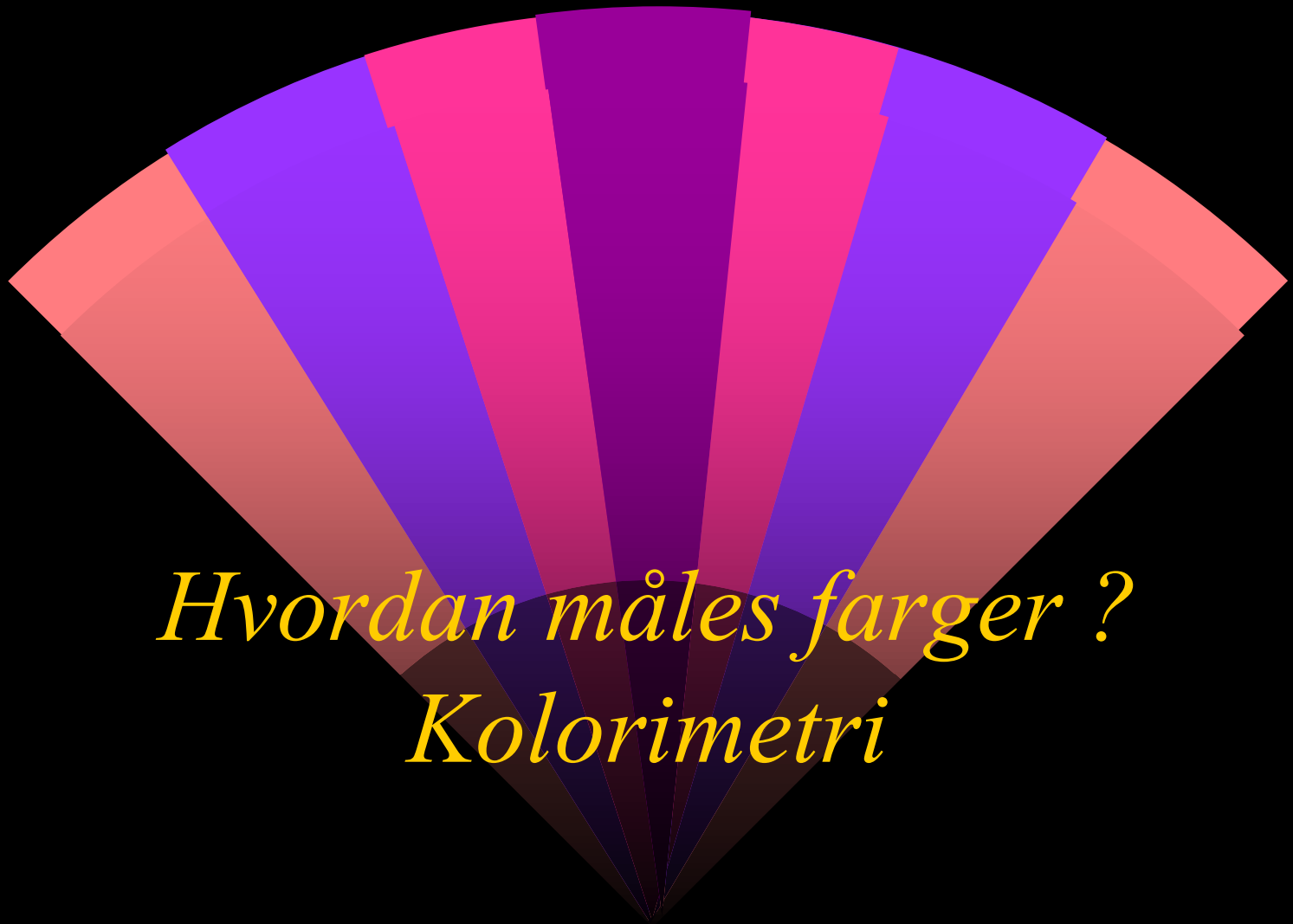
**Direkte sollys**



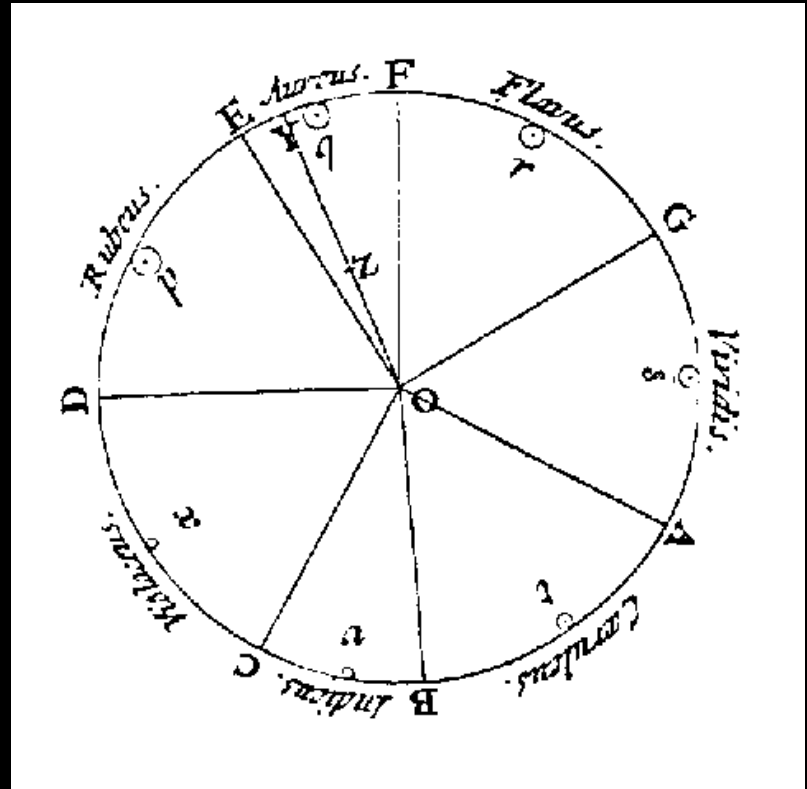
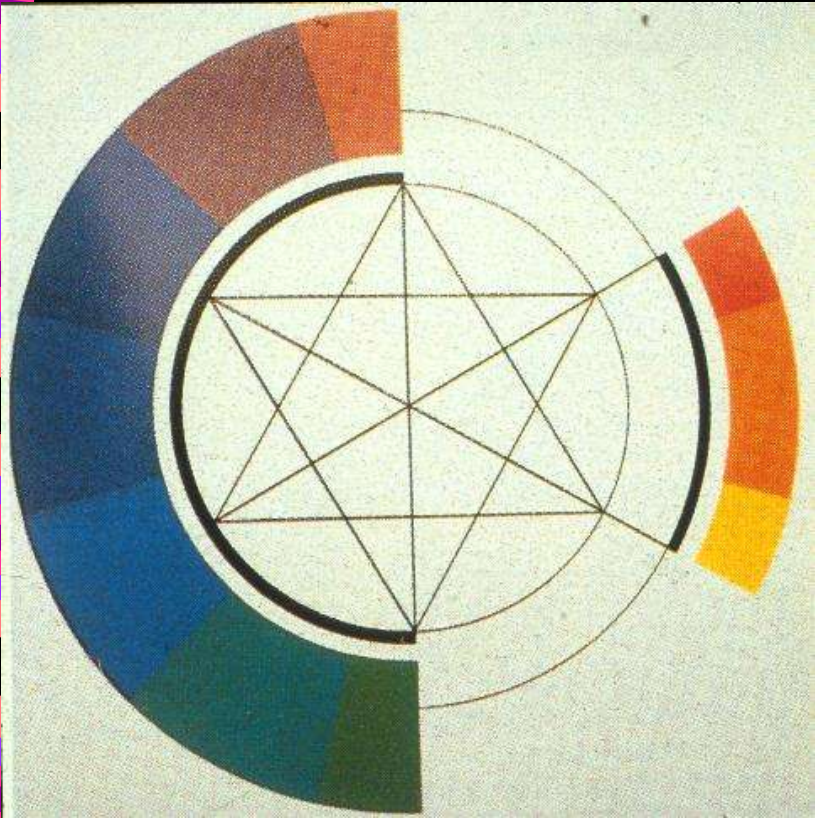
**Glødelampe**

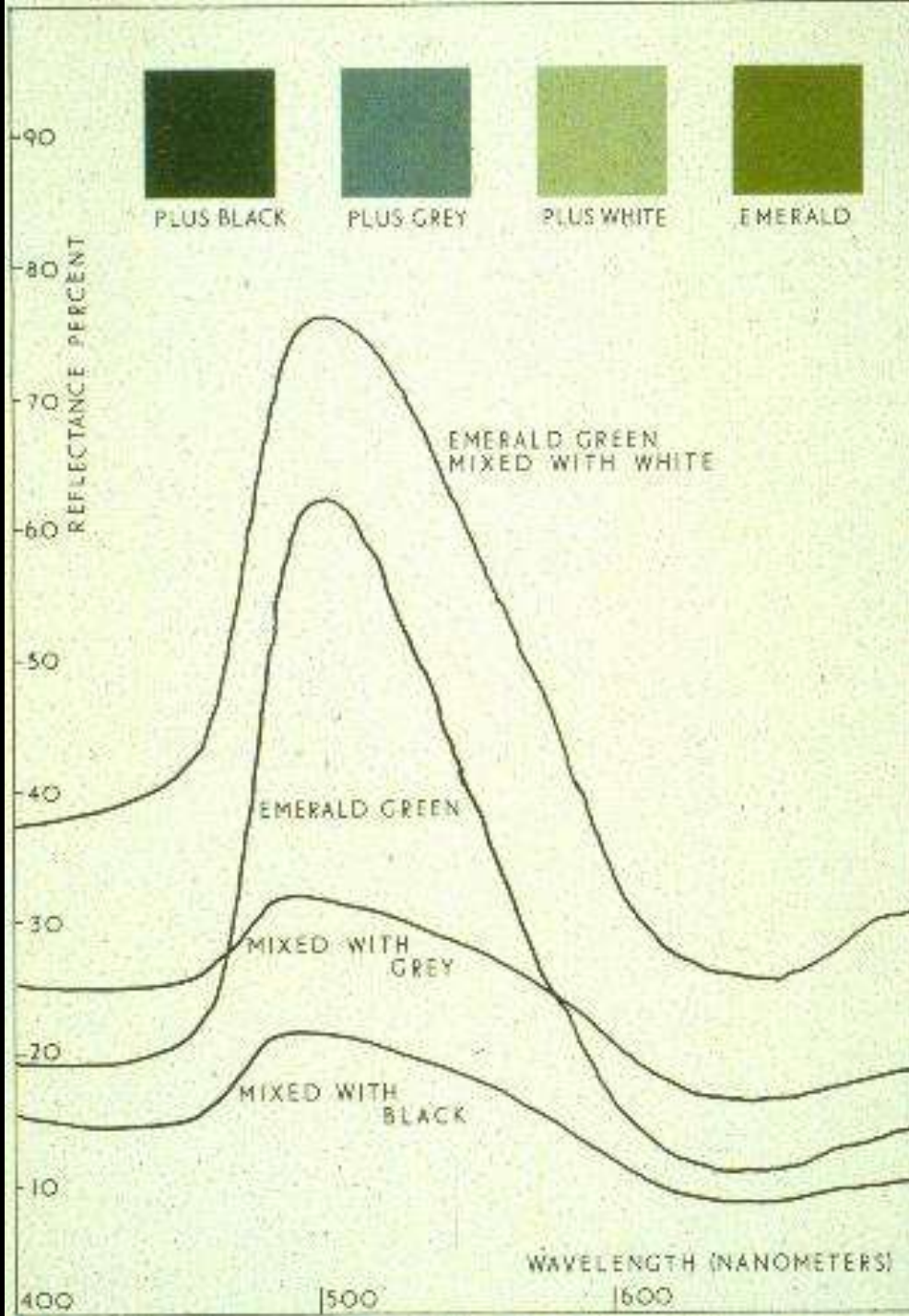
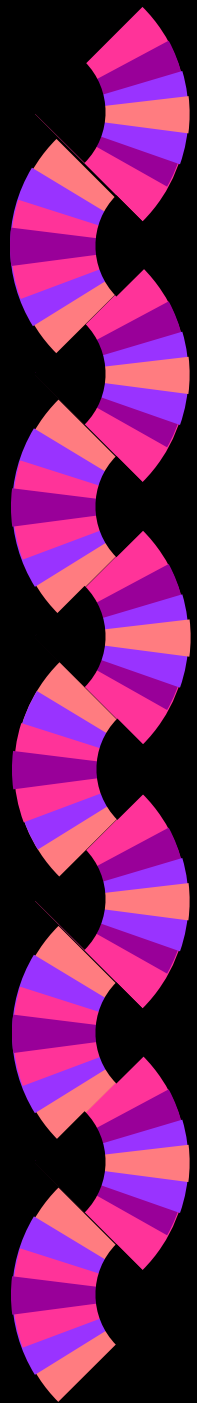




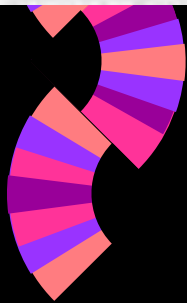
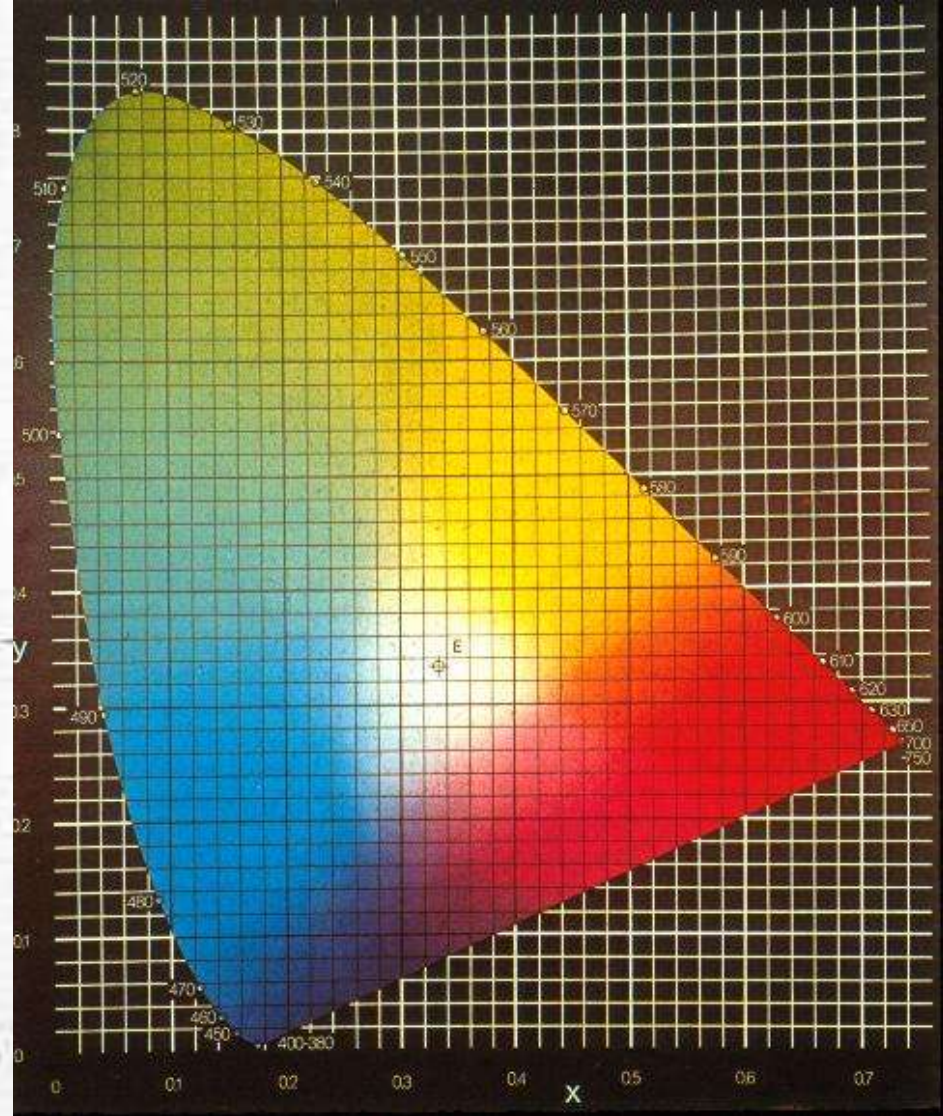
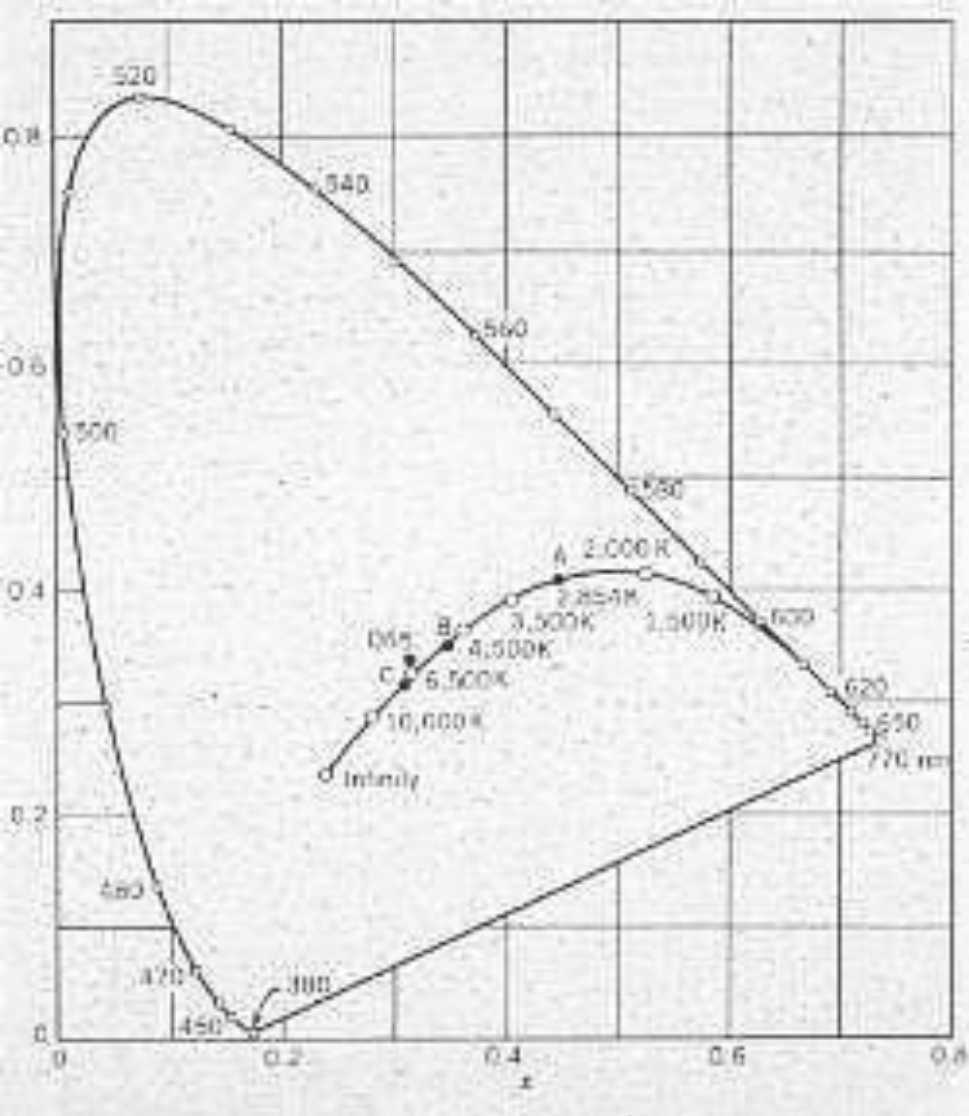


*Hvordan måles farger ?*  
*Kolorimetri*

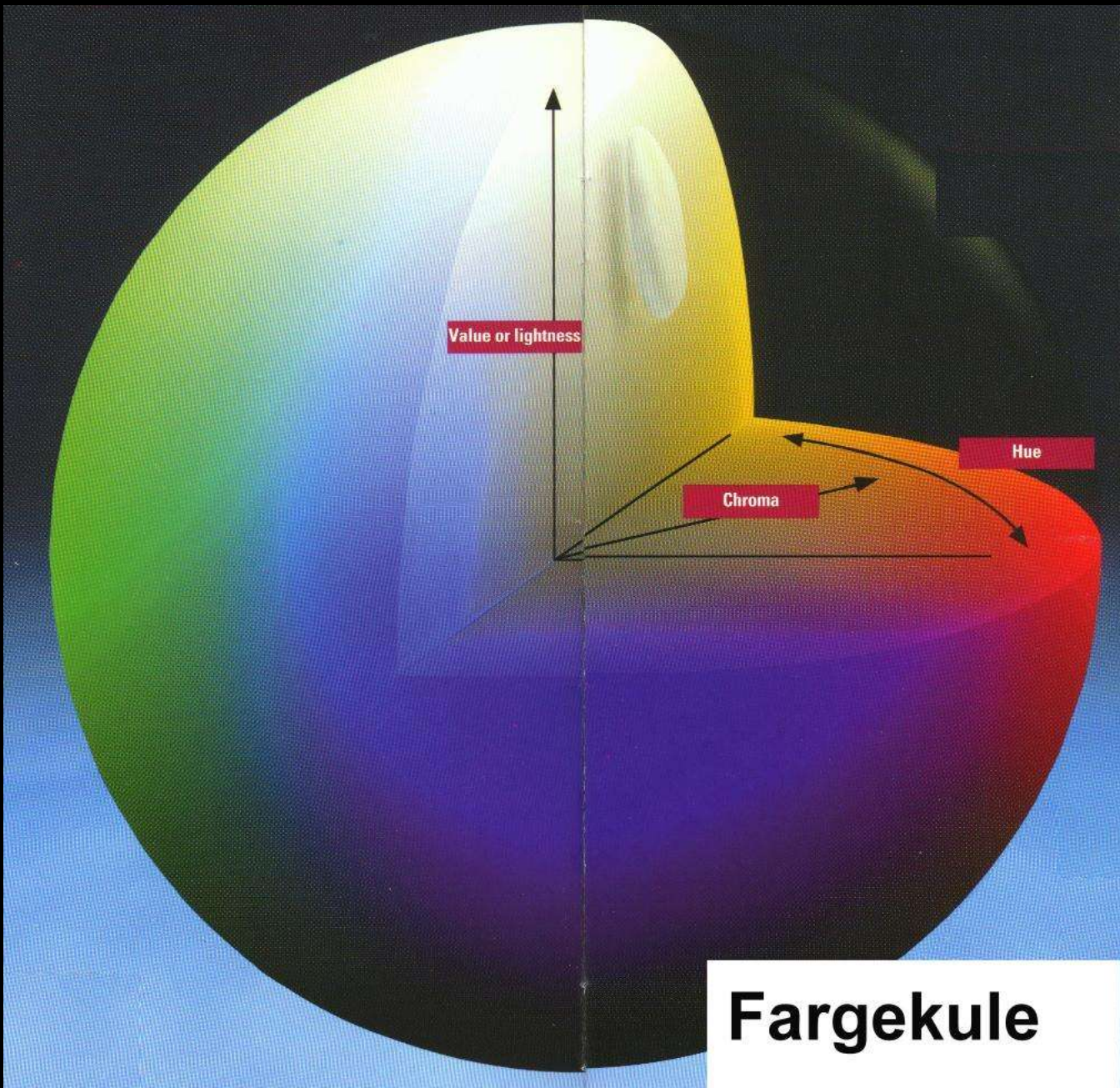




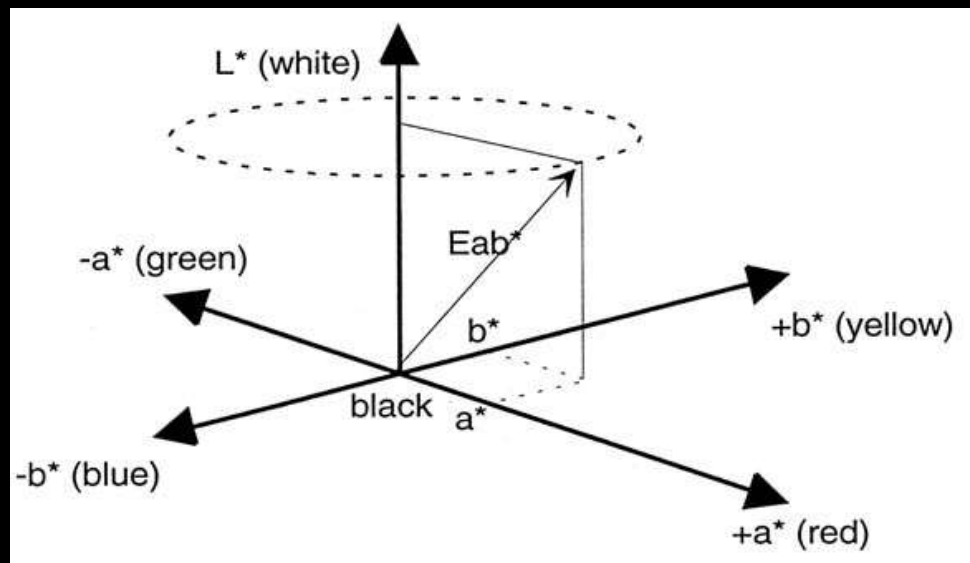
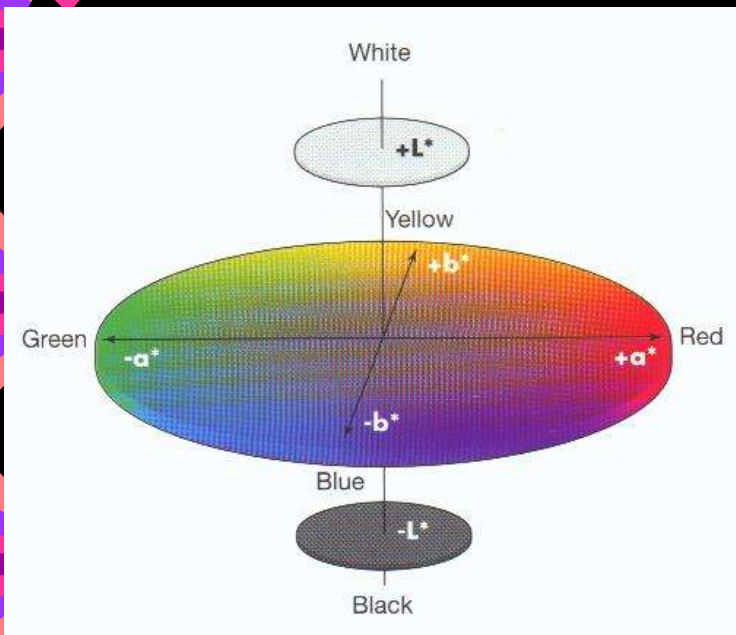
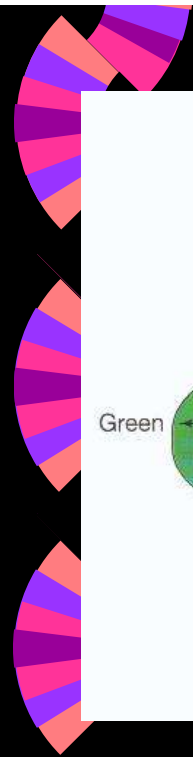
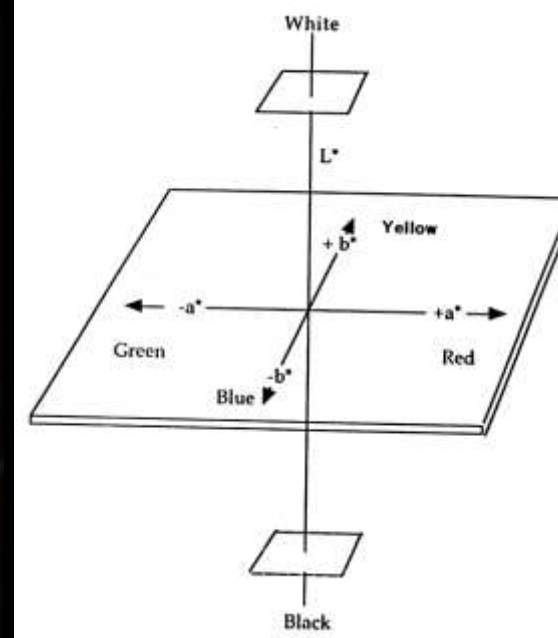
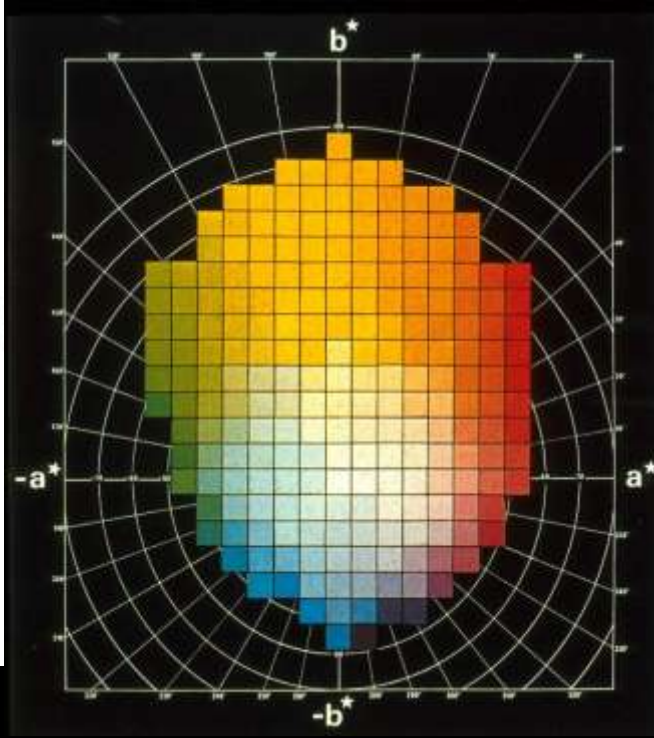
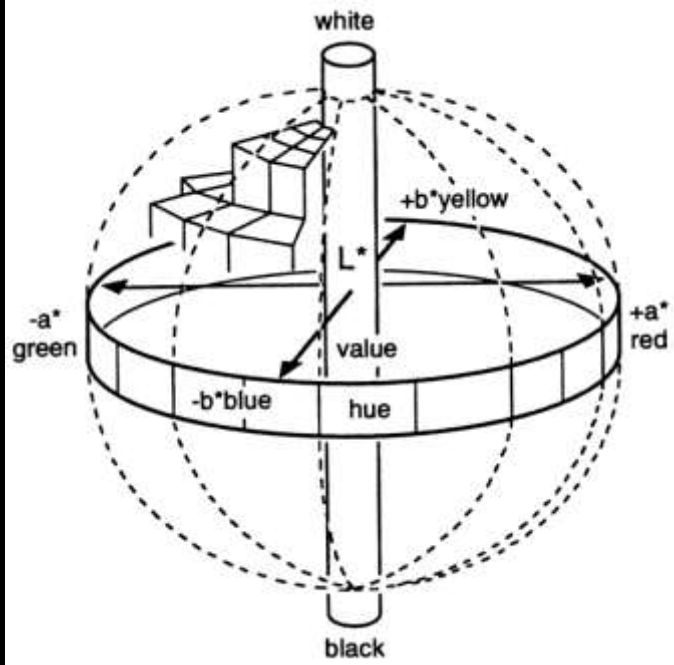




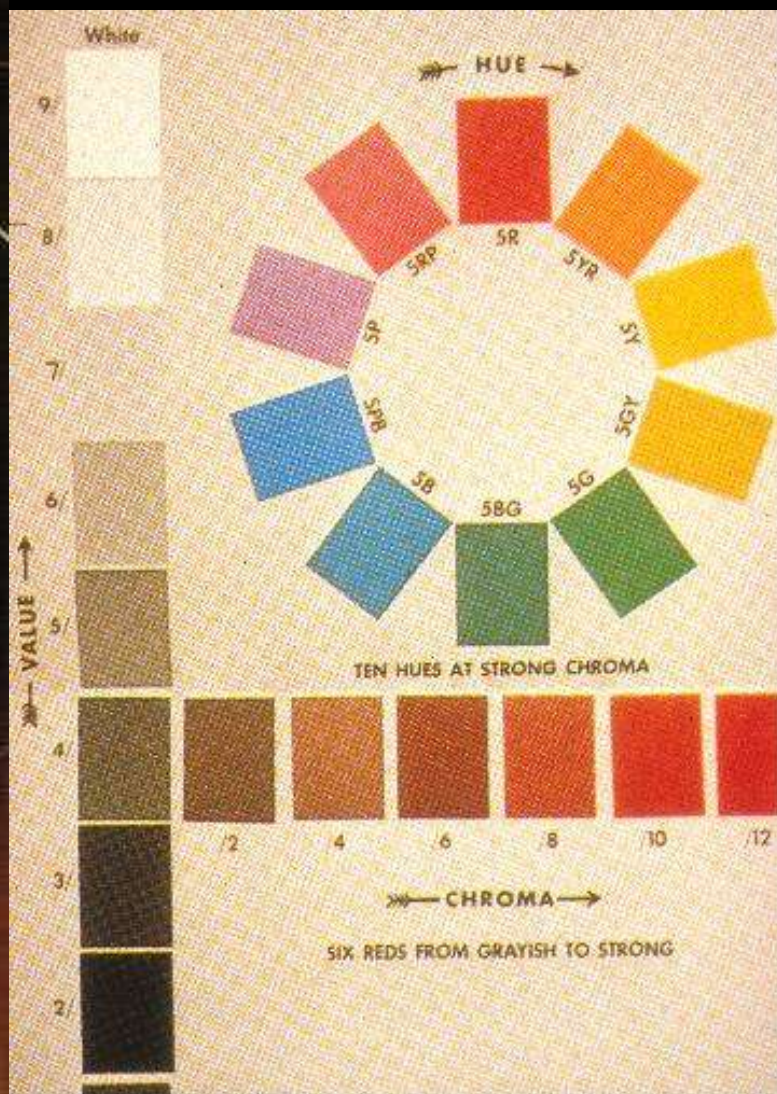
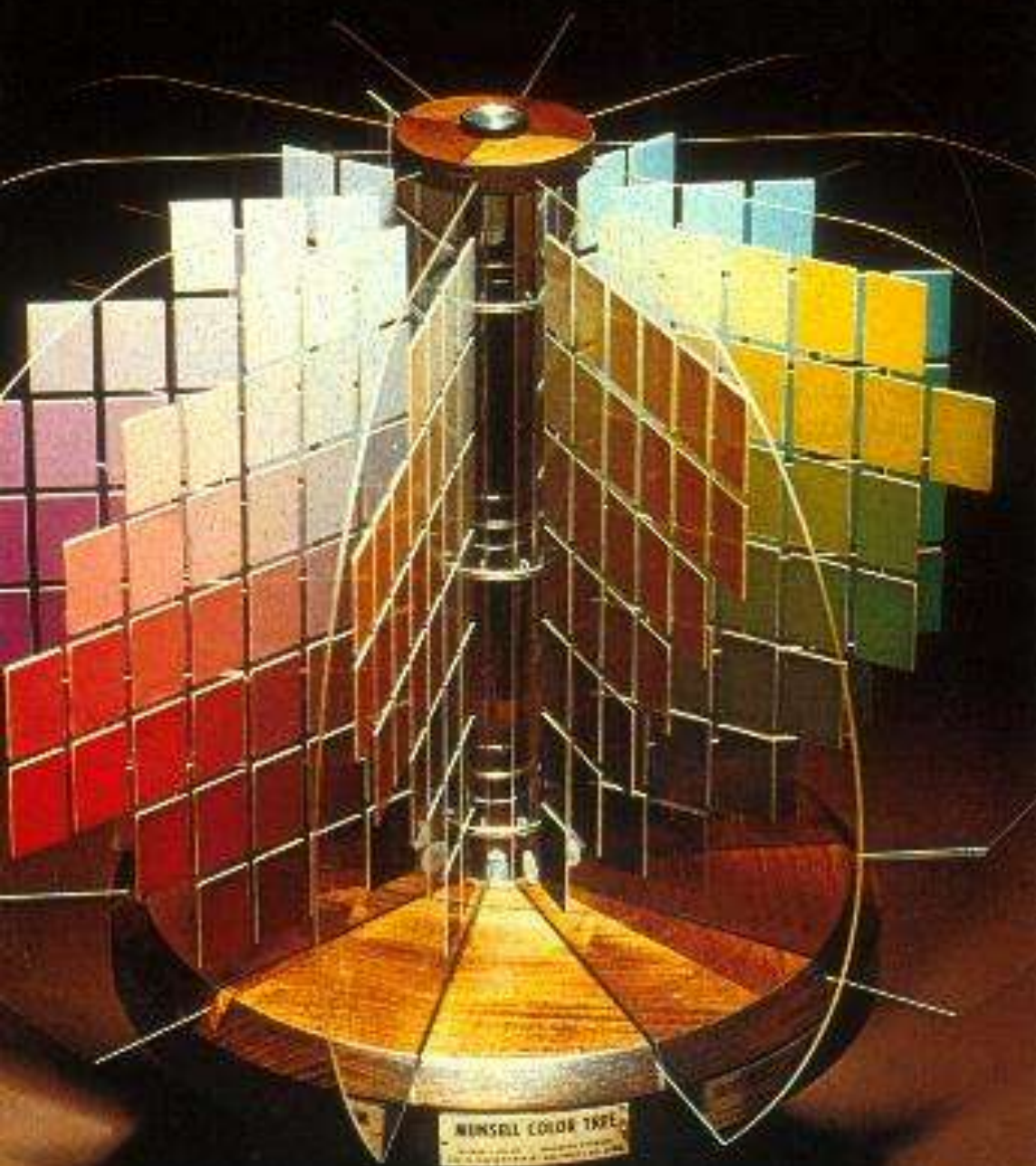


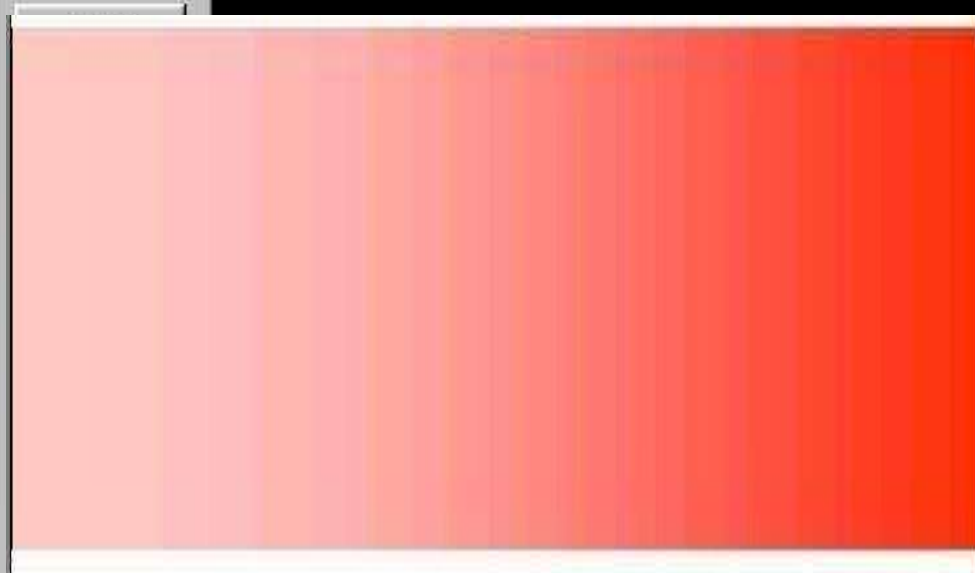
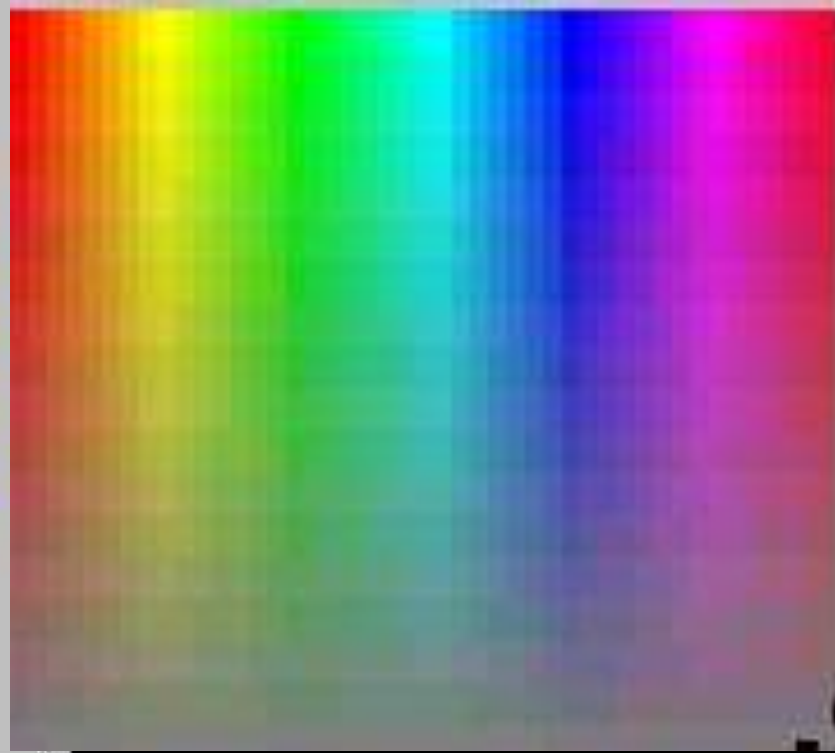
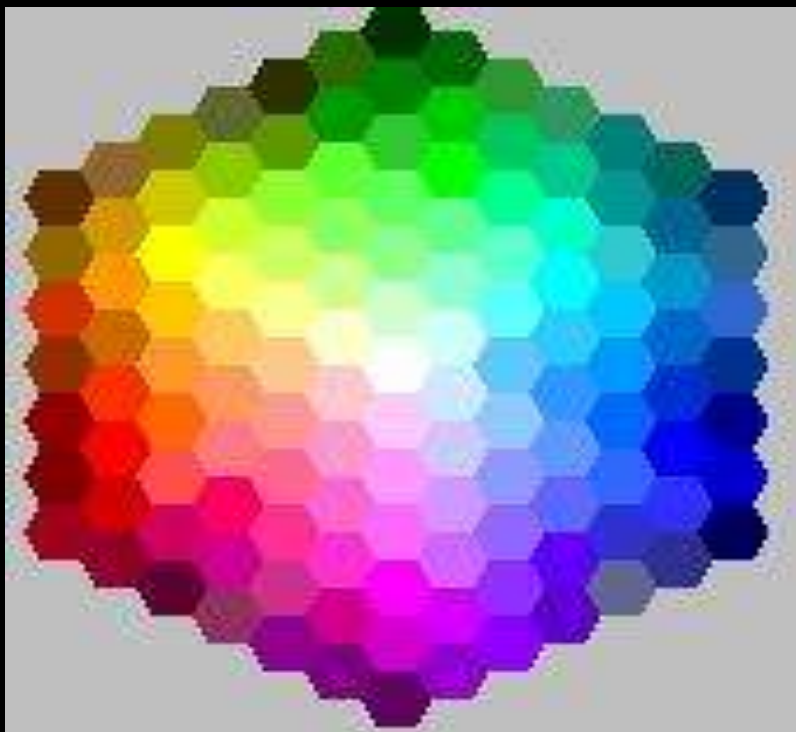


**Fargekule**



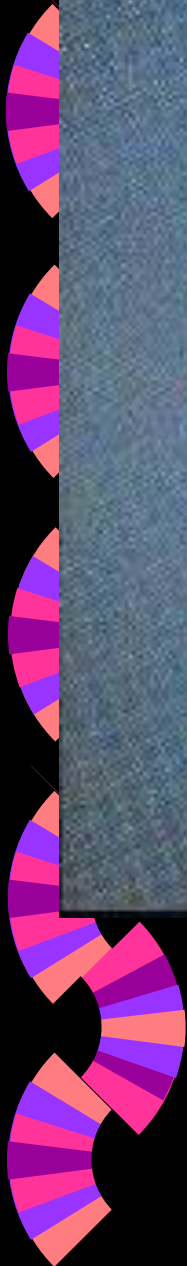
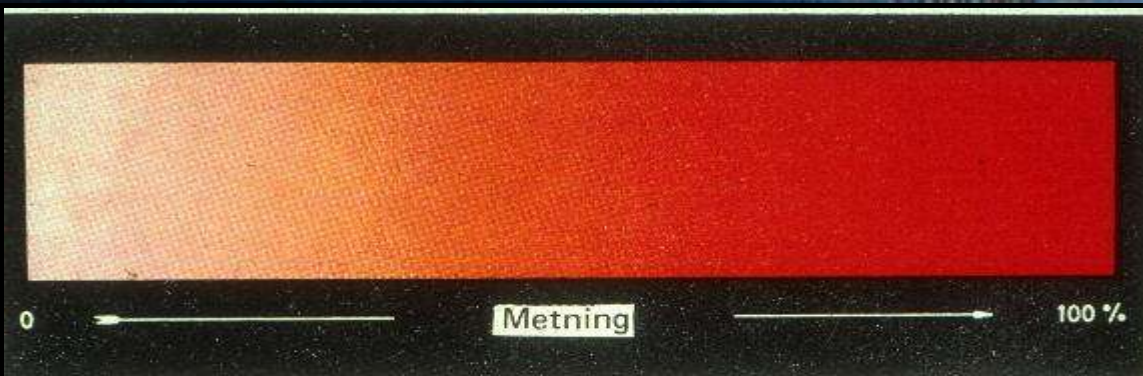
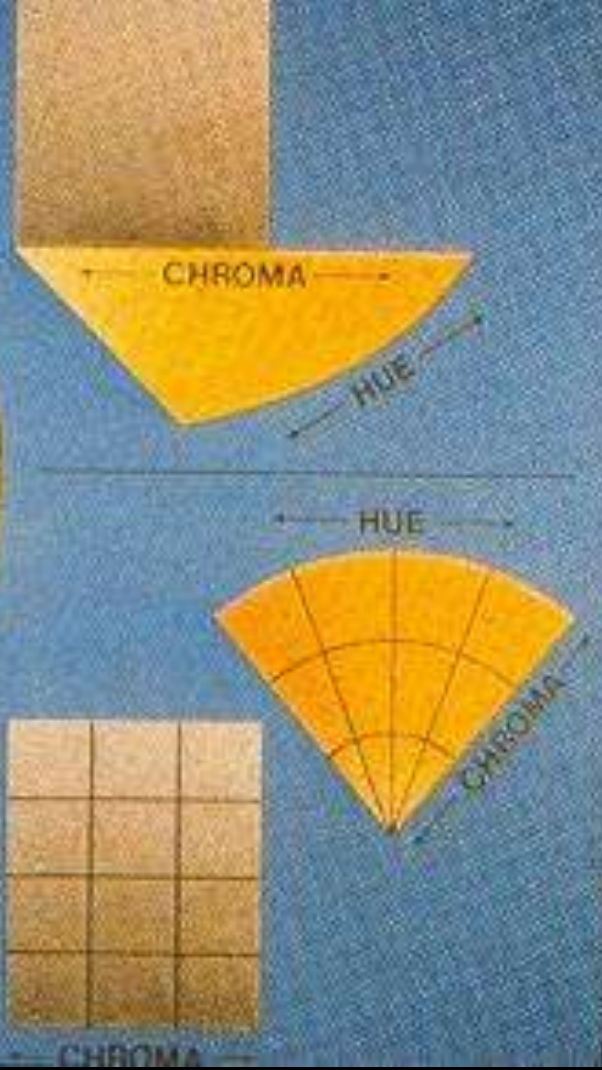
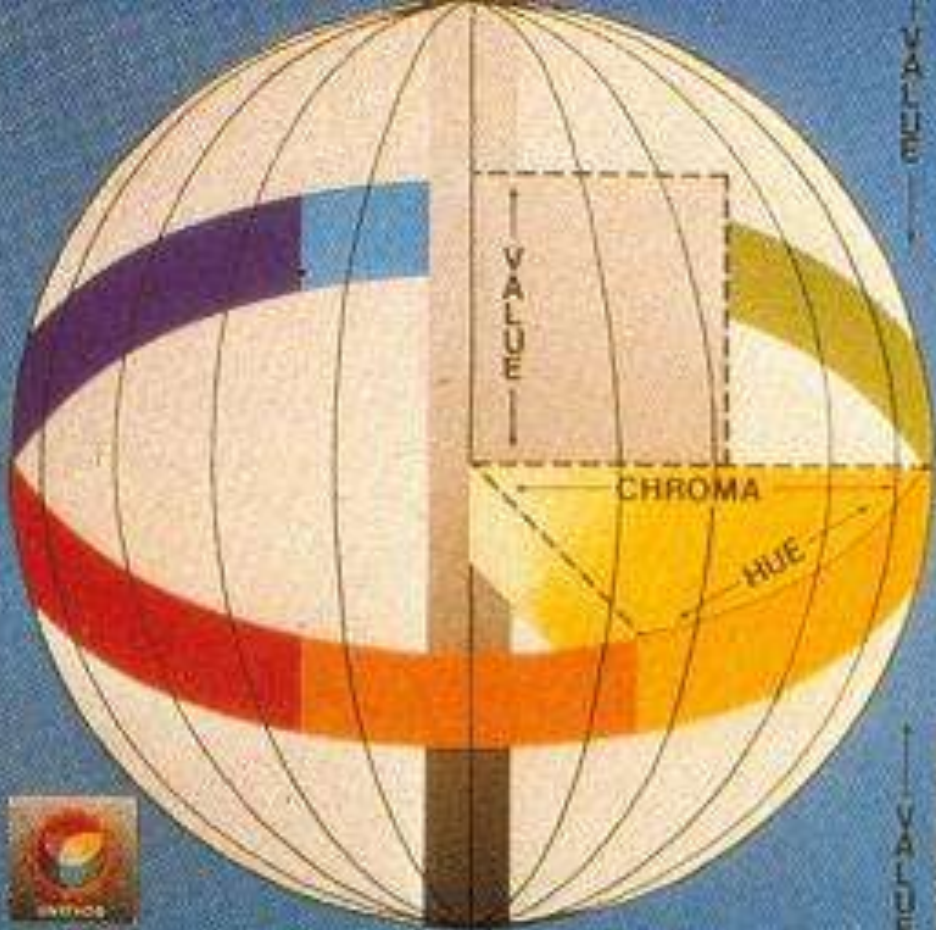






R: 38 G: 6 B: 0





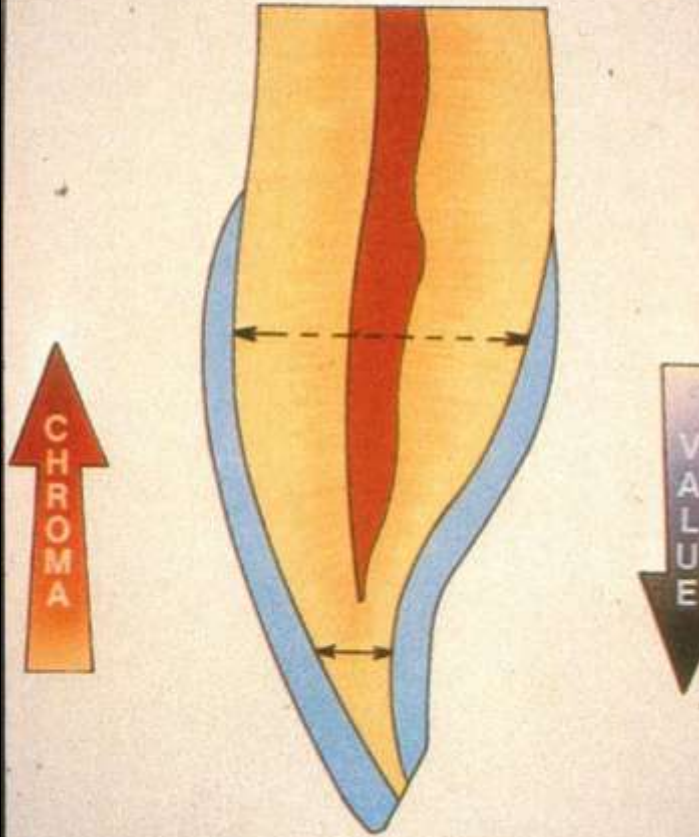


*Hvilke farger har tenner?*





TRANSITIONS



Specular (white) and diffuse reflection (yellow-orange)

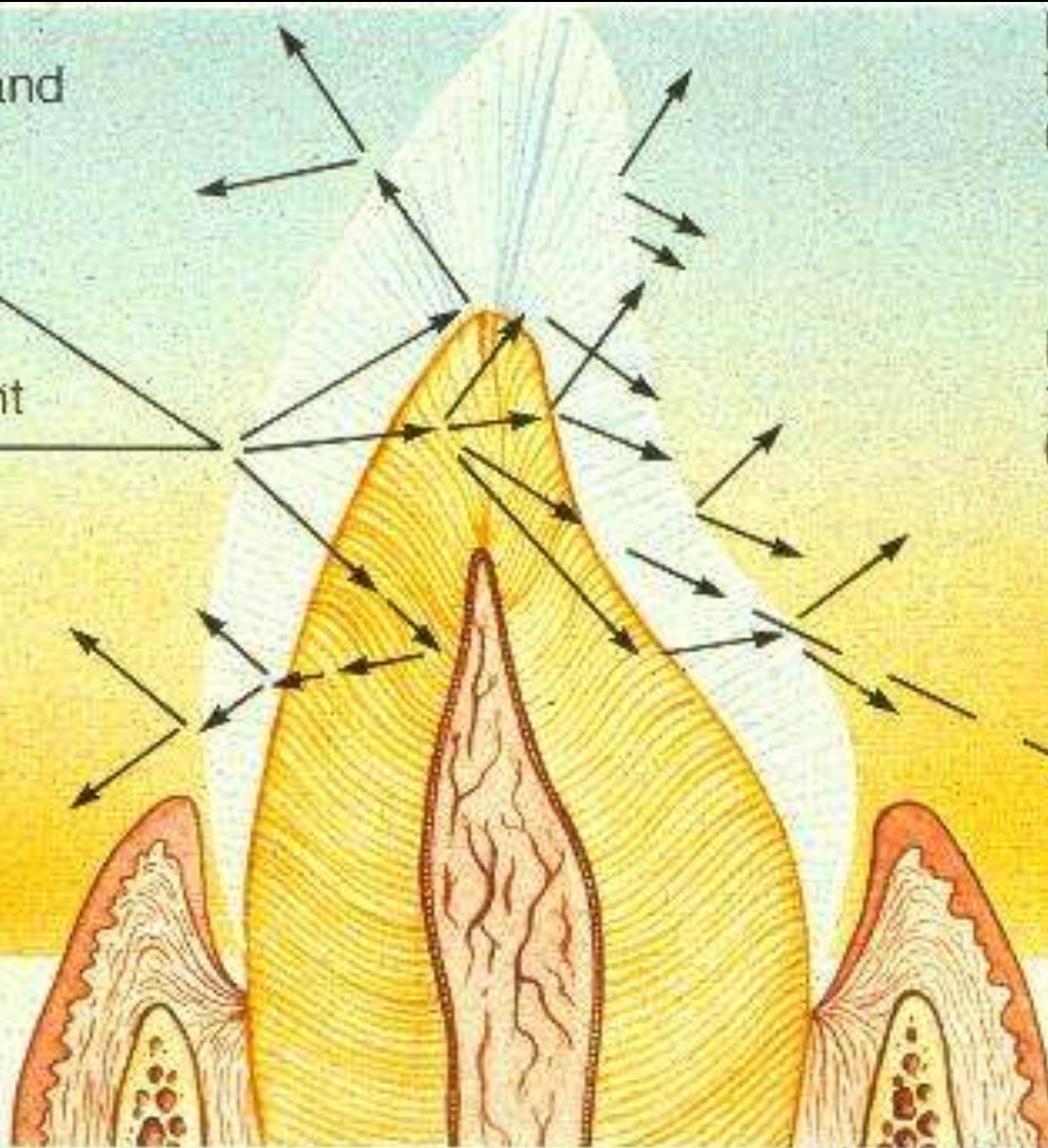
Incident white light

Pink hue from gum

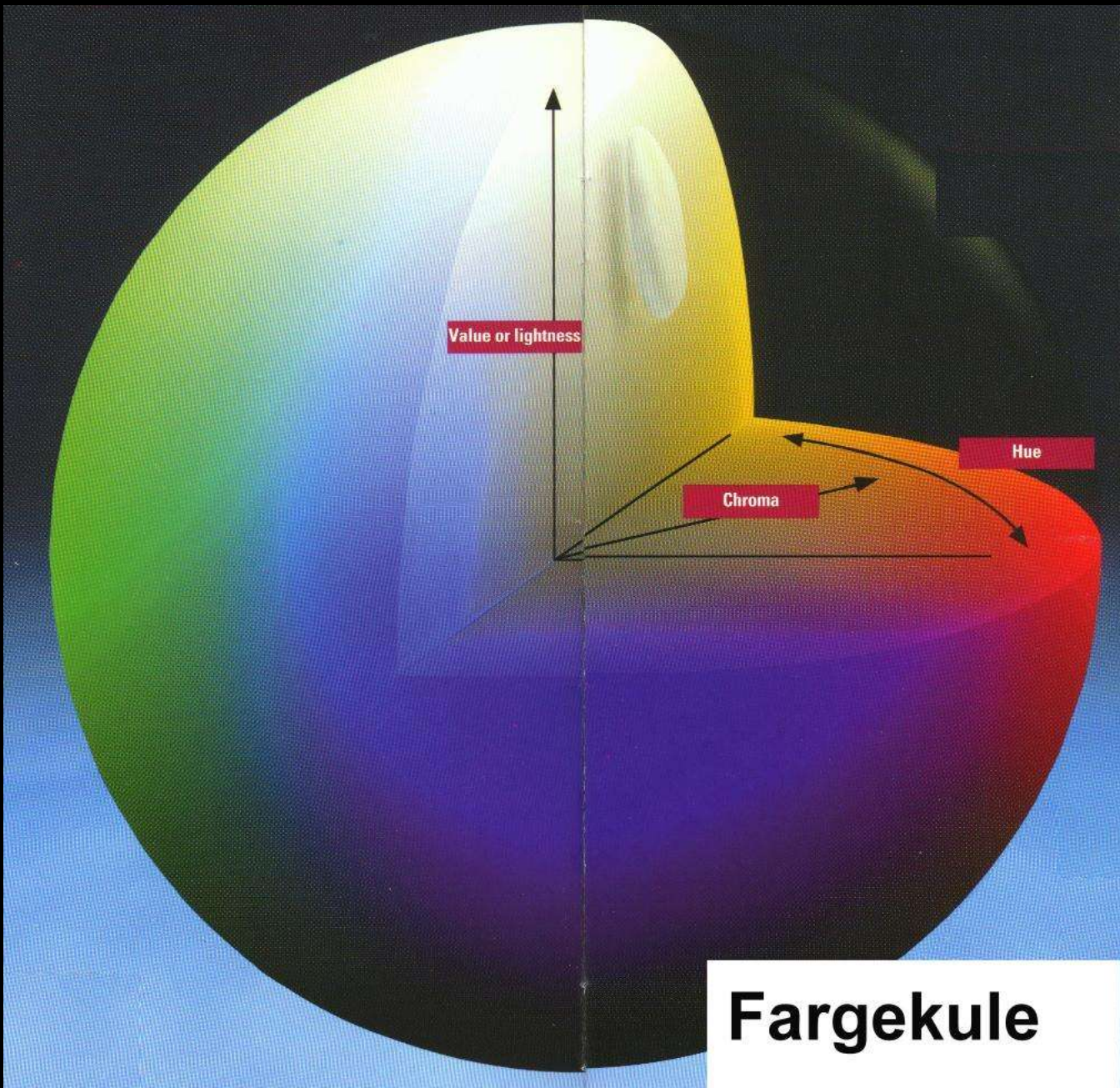
Maximum diffuse transmission (high translucency)

Reduced diffuse transmission (yellow-orange)

Direction of regular transmission if the tooth were made of transparent glass

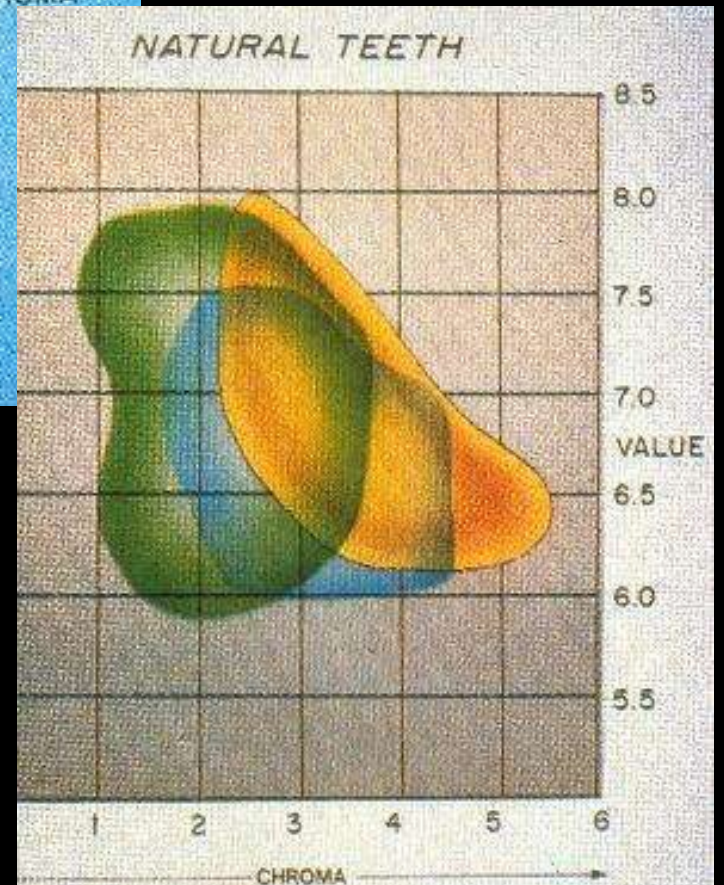
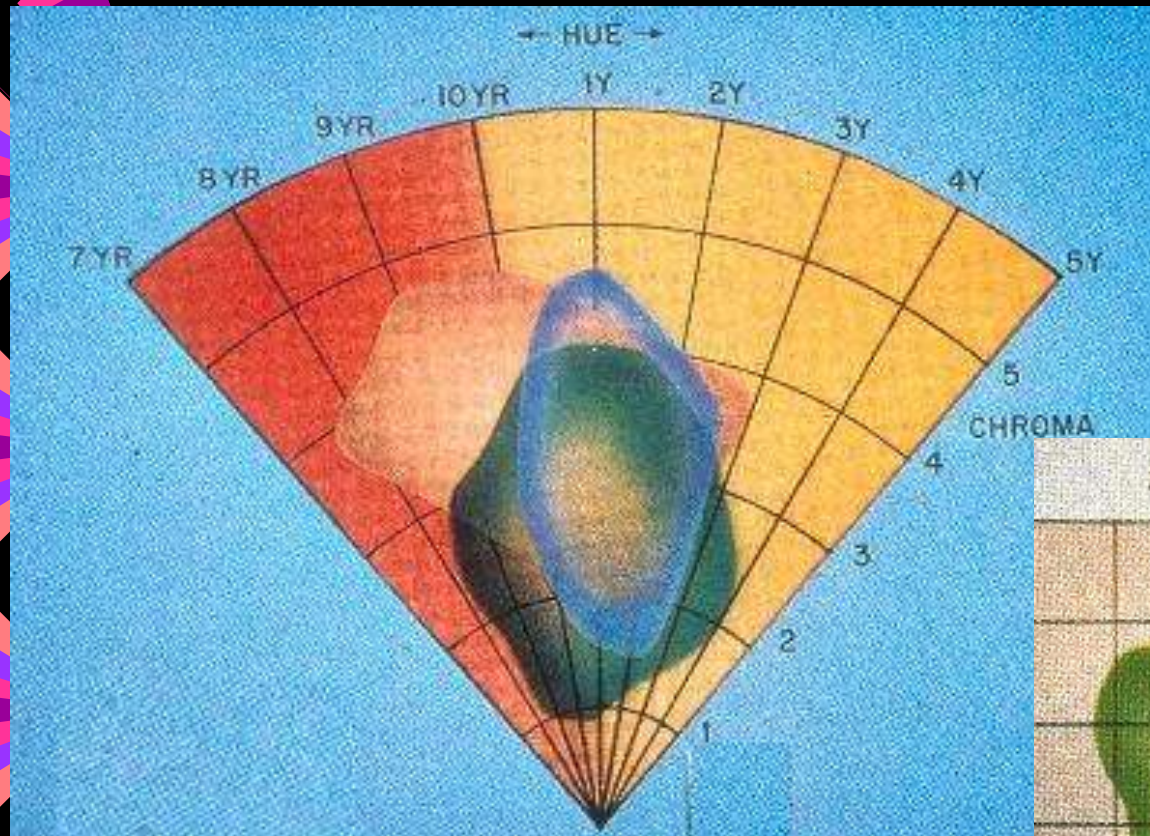




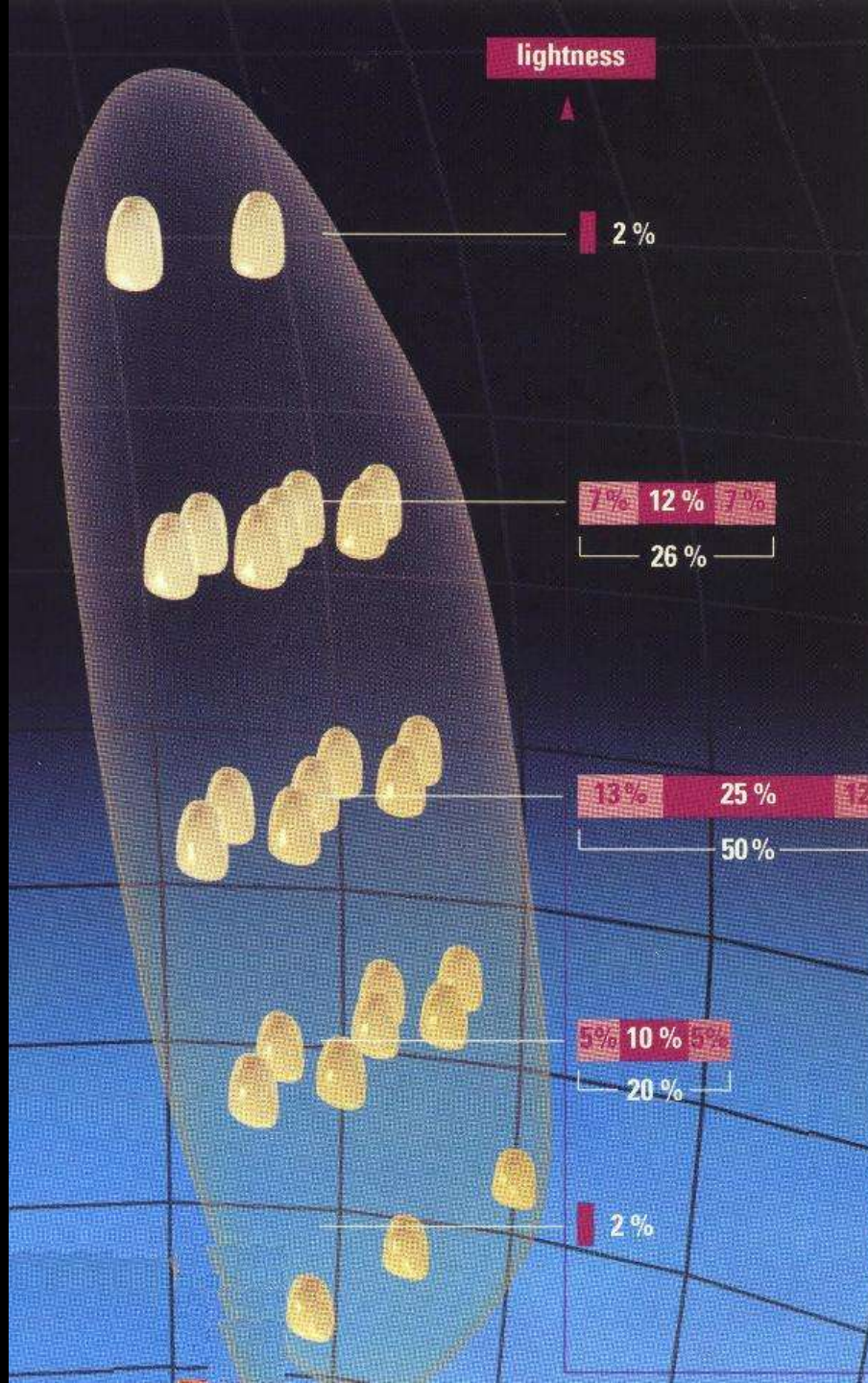
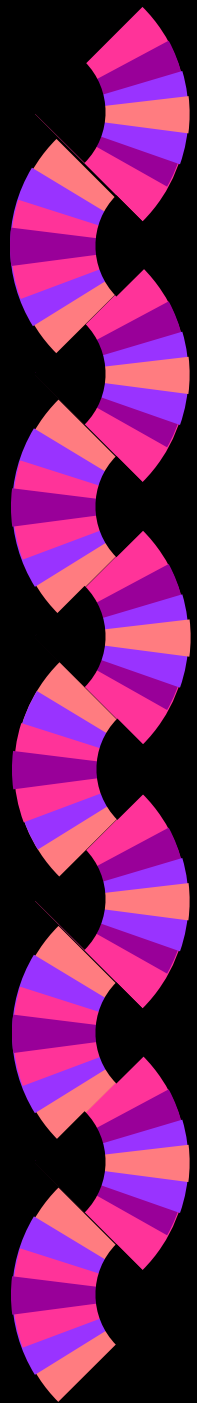


**Fargekule**





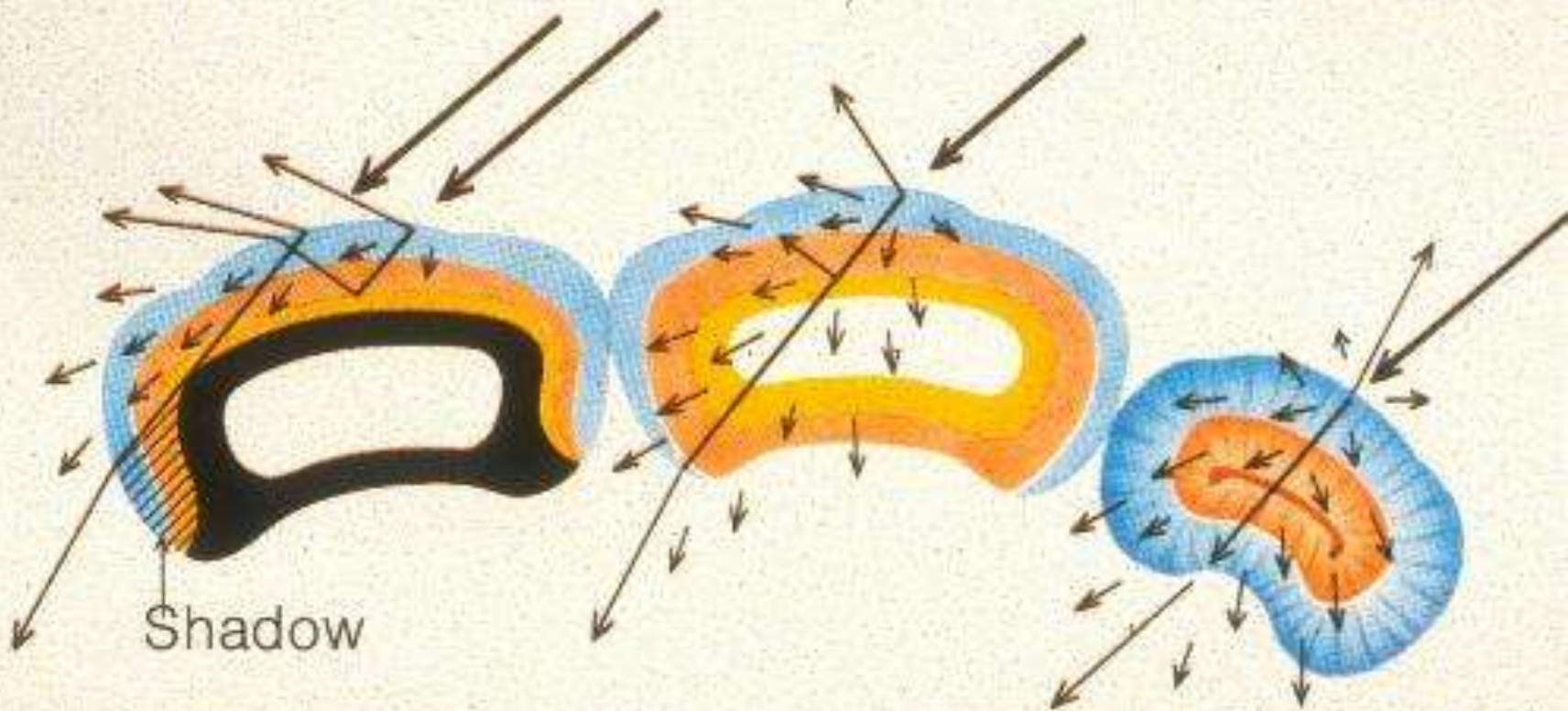






*Hvordan illuderes farge på  
kunstige tenner?*





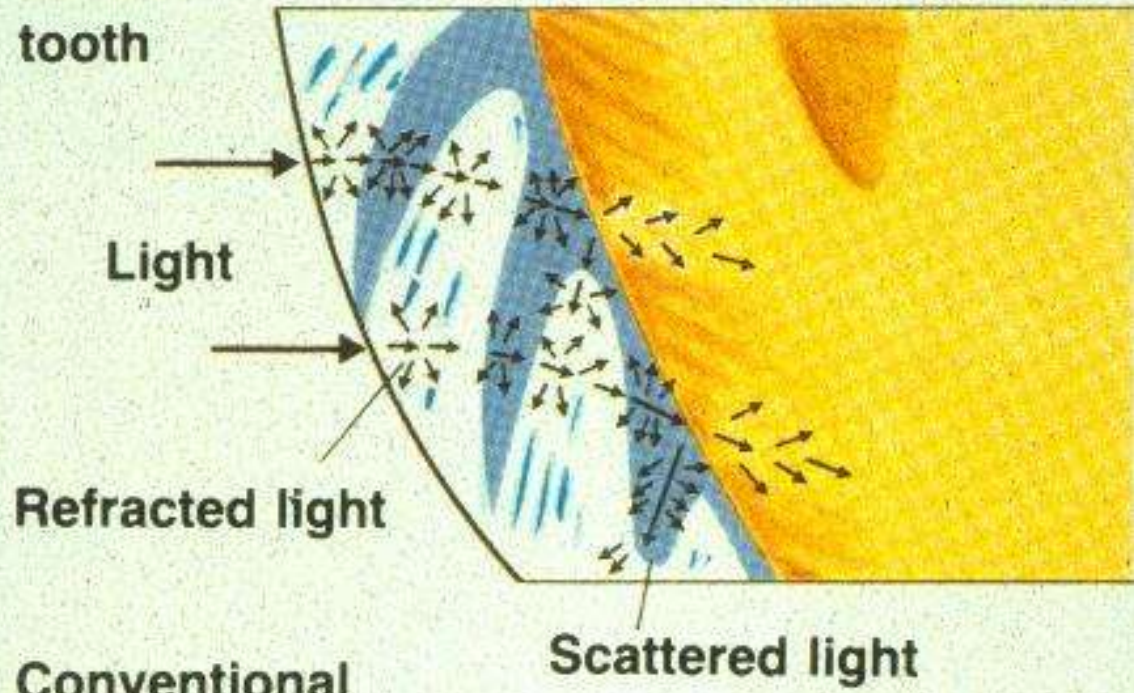
Shadow

Ceramo-metallic  
system

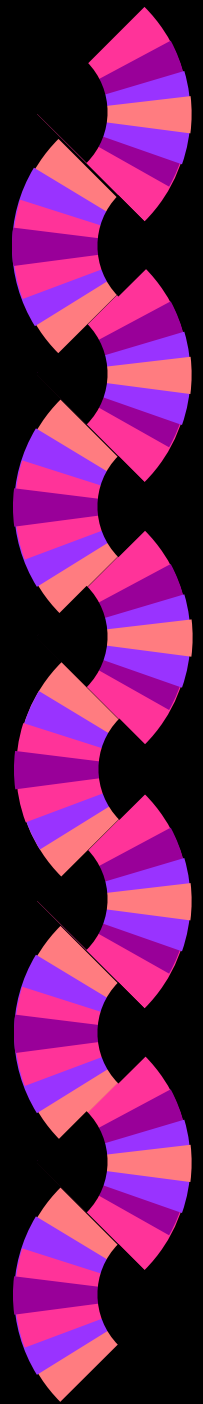
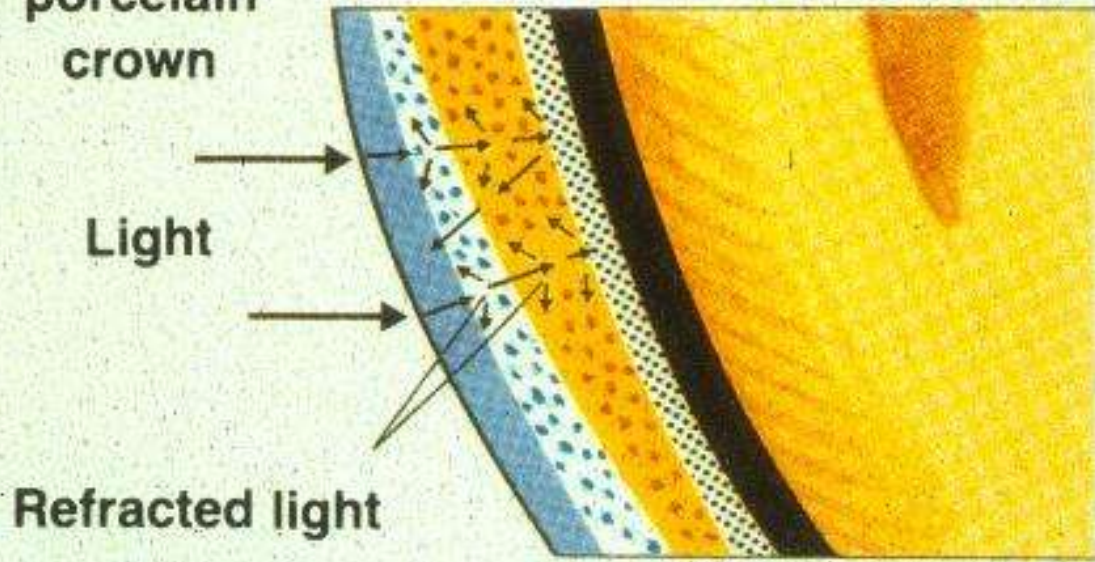
Full-porcelain  
crown

Natural  
tooth

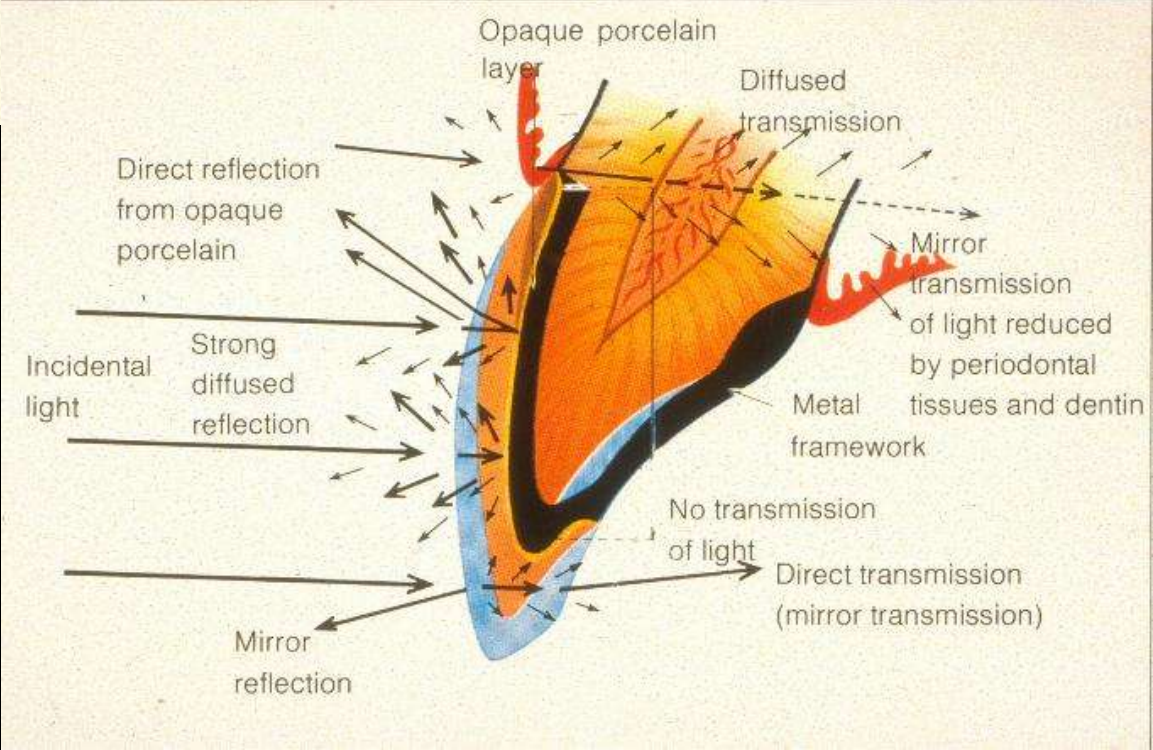
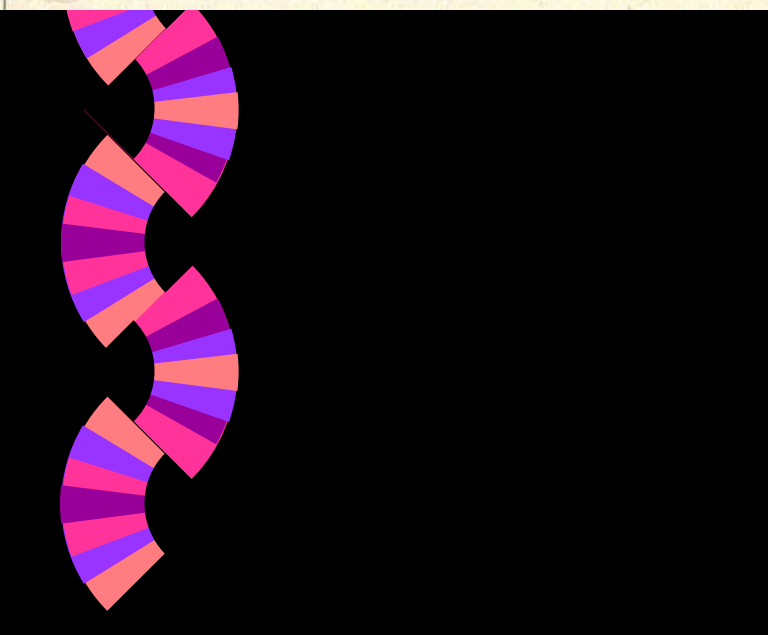
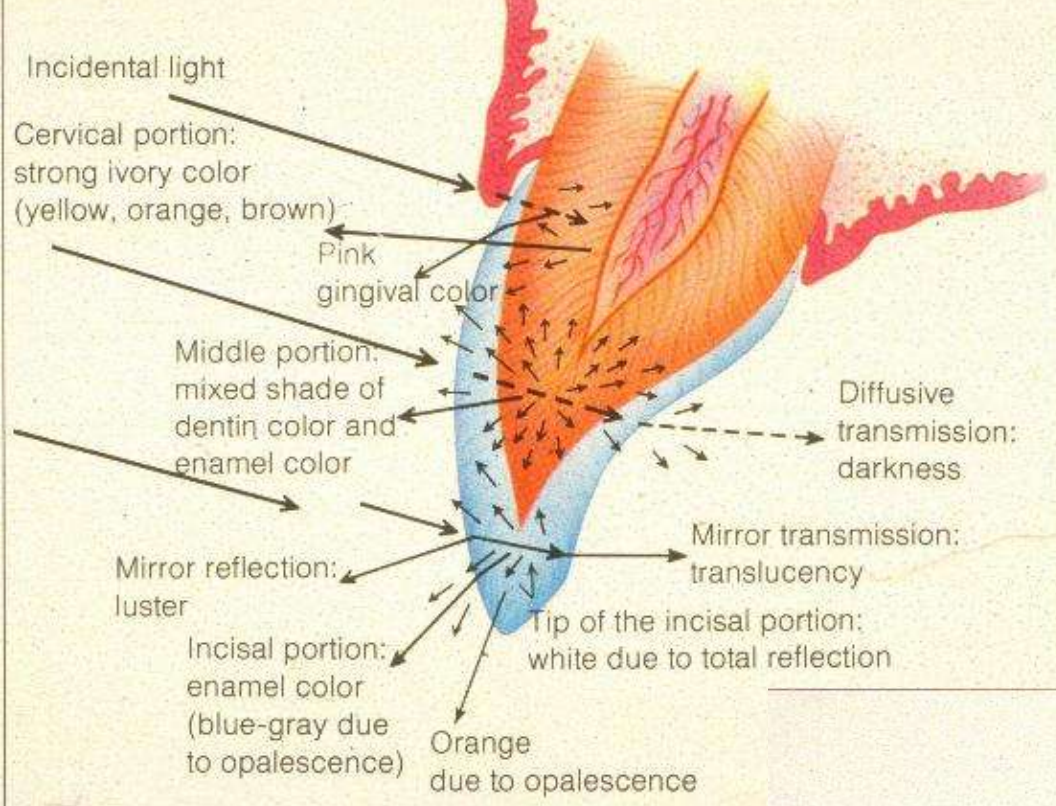
**Natural tooth**



**Conventional porcelain crown**







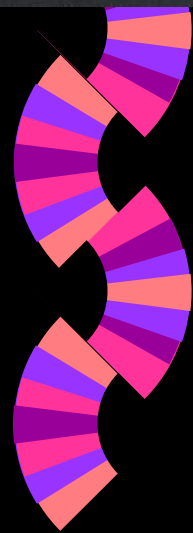


# VITA

	A 1	A 2	A 3	A 3,5	A 4	B 1	B 2	B 3	B 4	C 1	C 2	C 3	C 4	D 2	D 3	D 4
Lumin-Vacuum																
Grund Opaque Opasque Opaco	510	511	512	513	514	515	516	514	514	517	518	518	519	520	510	521
Dentin Dentine Dentina Dentina	540	541	542	554	543	553	544	545	546	547	548	549	550	551	552	545
Schmelz Enamel Email Esmalte	558	558	559	559	560	557	559	559	559	560	559	559	560	560	559	559
Effekt Effect Eftet Efectos		561	562	562	562		561	561	562		561	562	562	561	562	561
Hals Neck Collet Cuello														563	563	

Korrektur Correction Corrección	590	Zahnfleisch Gum Genciva Encias	571	572	Glasklar Transparent Transparente Transparente	53
---------------------------------------	-----	---	-----	-----	---	----

Color-Grund Color opaque Opasque Color Opaco Color	670	671	672	674	675	676	677	678	Color Color Color Color Color	51
---	-----	-----	-----	-----	-----	-----	-----	-----	---	----



### VITA

Schichtung der VMK® 68 Massen  
Layering of the VMK® 68 powders  
Stratification des masses VMK® 68  
Laminación de los polvos de porcelana VMK® 68

● Metall	Metal	Métal	Metal
● Grund	Opaque	Opasque	Opaco
● Dentin	Dentine	Dentina	Dentina
● Hals	Neck	Collet	Cuello
● Schmelz	Enamel	Email	Esmalte
● Effekt	Effect	Eftet	Efectos
● Glasklar	Transparent	Transparent	Transparente

### Vitachrom® „L“

Malfarben · Stains · Colorants · Colorantes

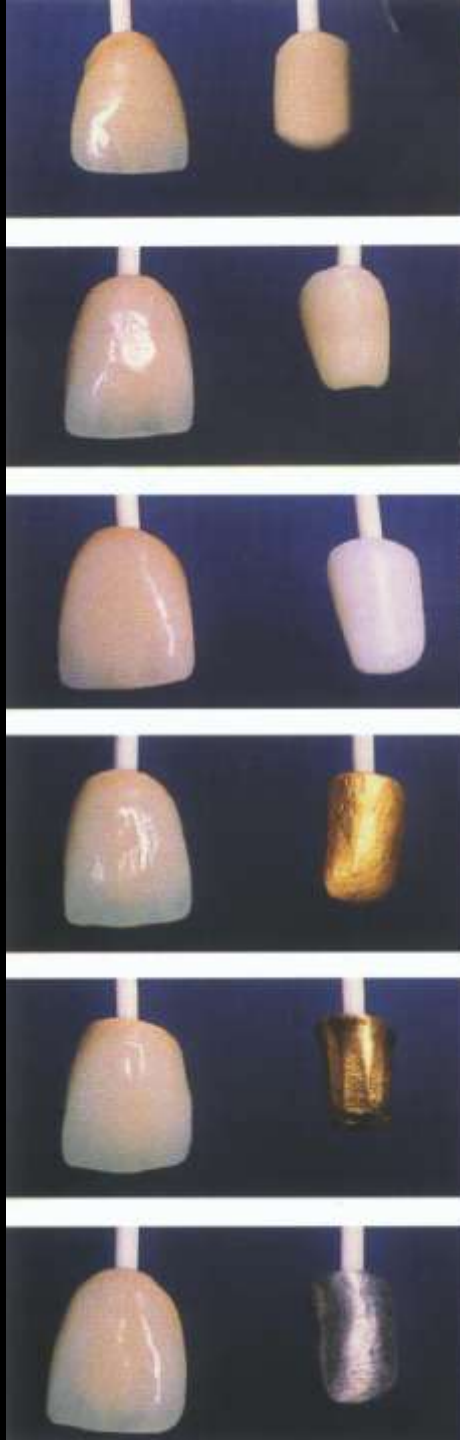
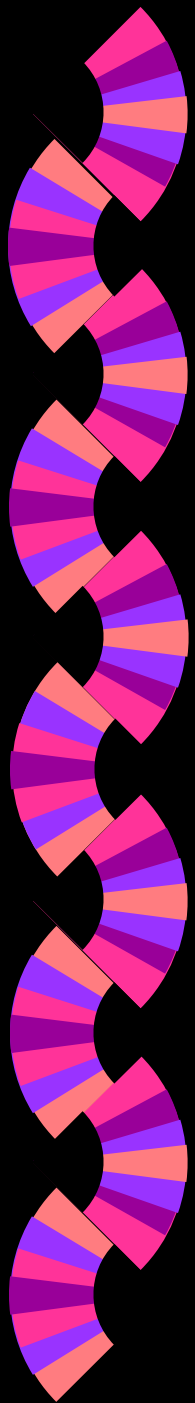
Sortiment  
Assortment  
Assortiment  
Surtido

Farbenbestimmungstabelle für Zahnhalsbemalung. Shade chart for neck staining. Tableau du choix des teintes pour le maquillage des collets. Tabla de selección para colorar los cuellos.

701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	
<b>Lumin® Vacuum</b>		<b>Vitachrom® „L“</b>		Farben		Farben		Shades · Teintes		Shades · Teintes		Colores		Colores		A 1		716		716	
				A 2		716		A 3		716		A 3,5		713		A 4		717			
				B 1		718		B 2		716		B 3		718		B 4		718			
				C 1		719		C 2		719		C 3		718		C 4		719			
				D 2		718		D 3		718		D 4		718							

**Vita Zahnfabrik · H. Rauter GmbH & Co. KG**  
D-7880 Bad Säckingen · West Germany

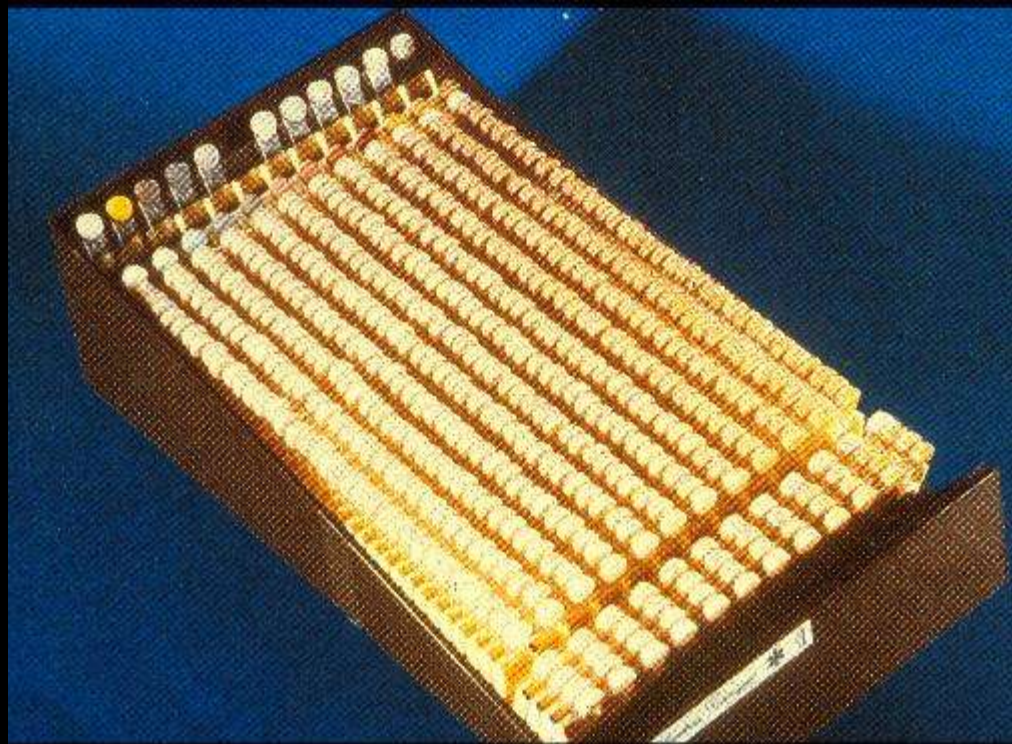
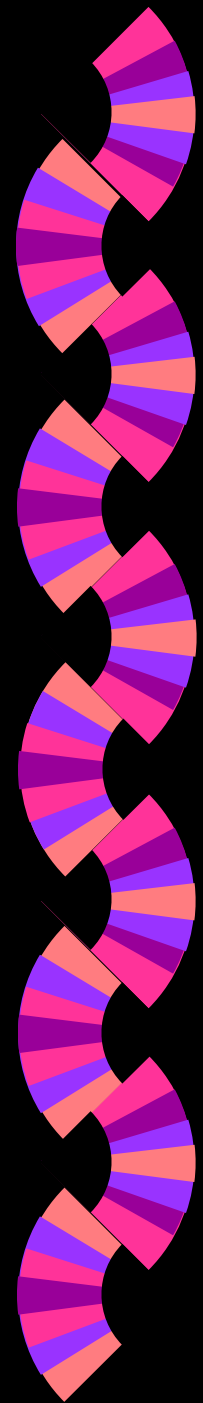




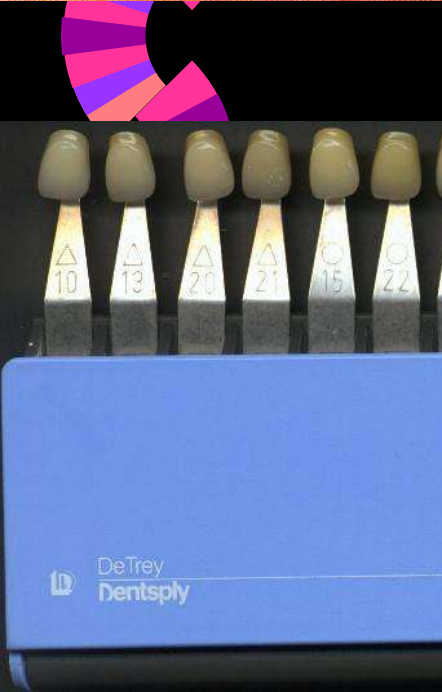
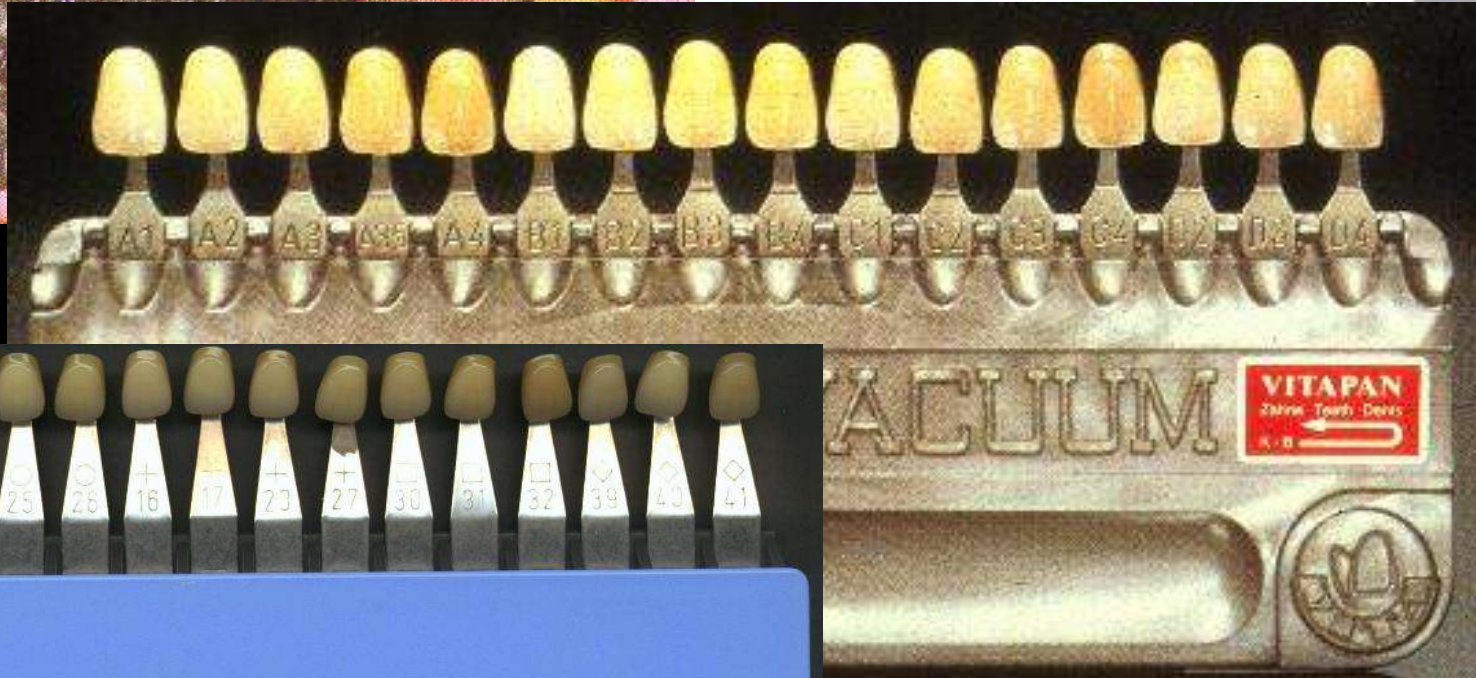
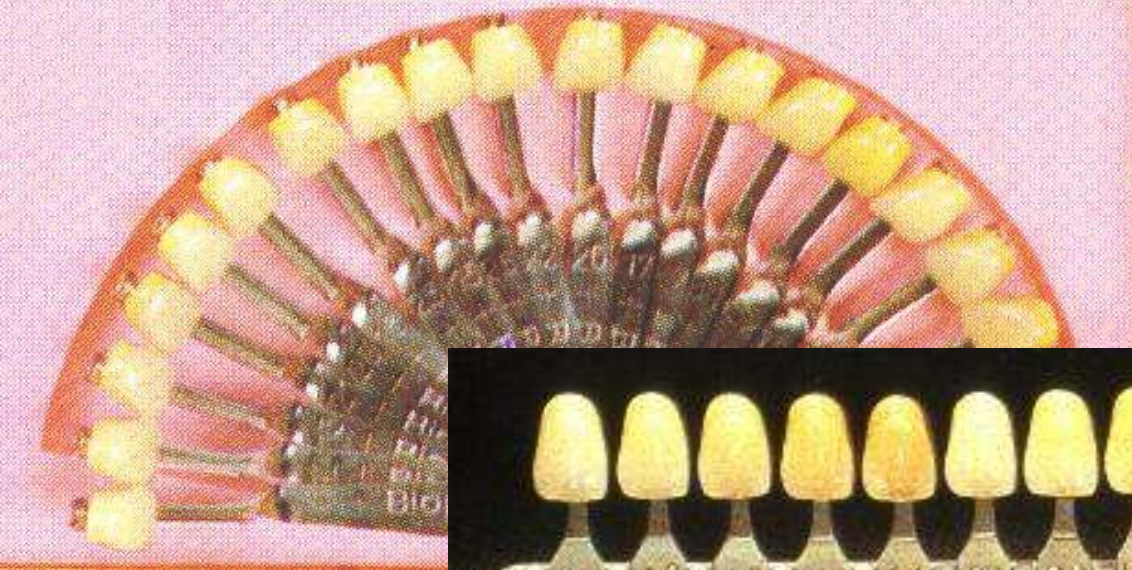
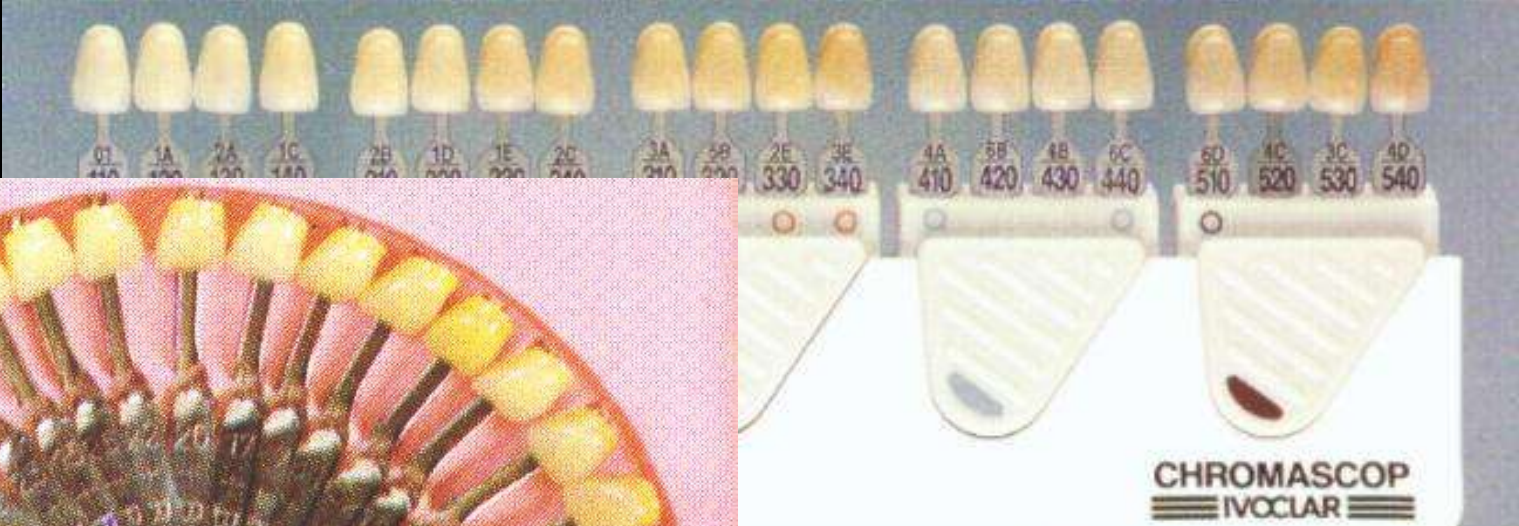
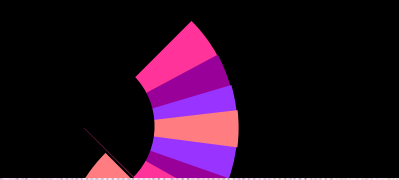


*Fargeskalaer*









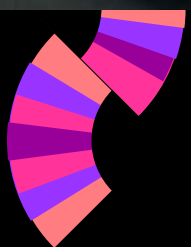
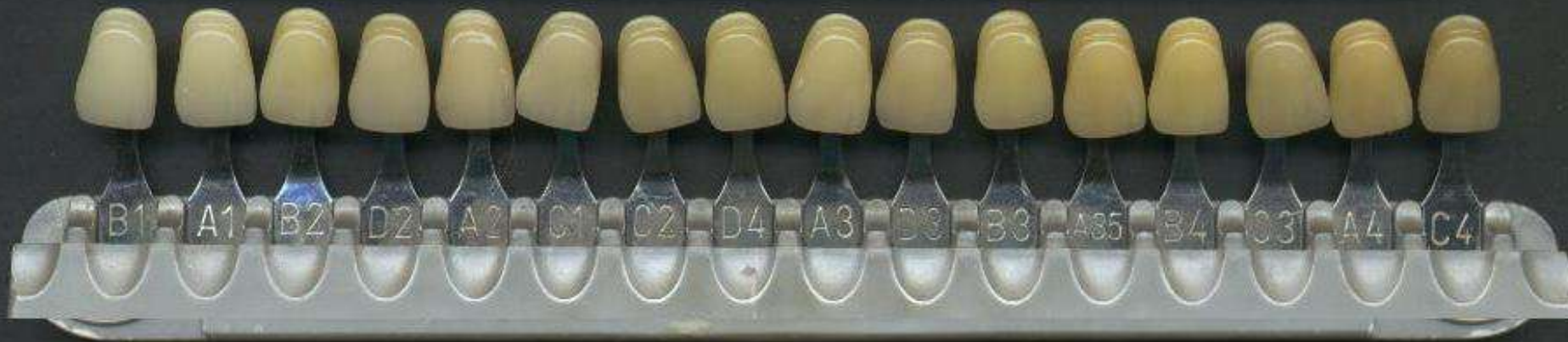
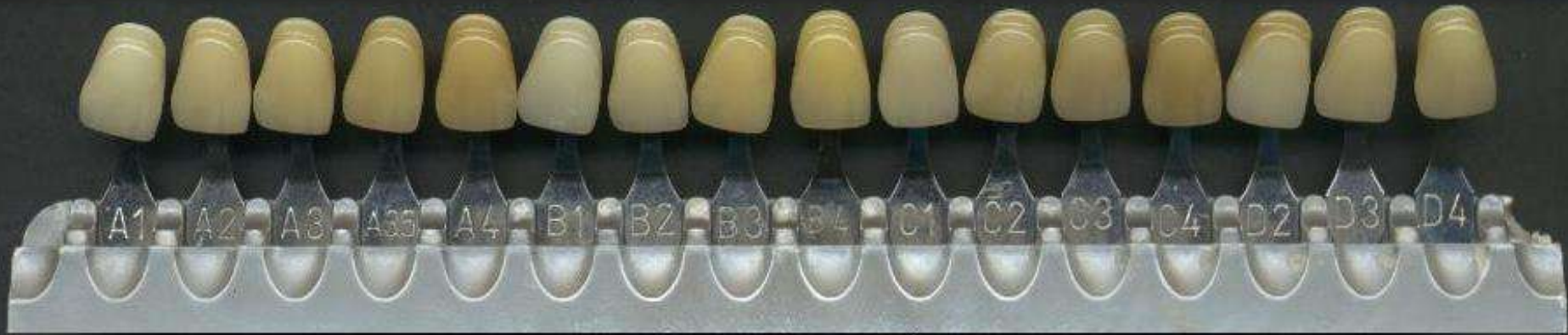
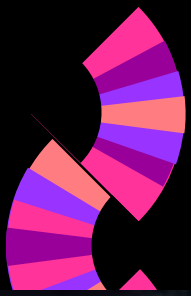




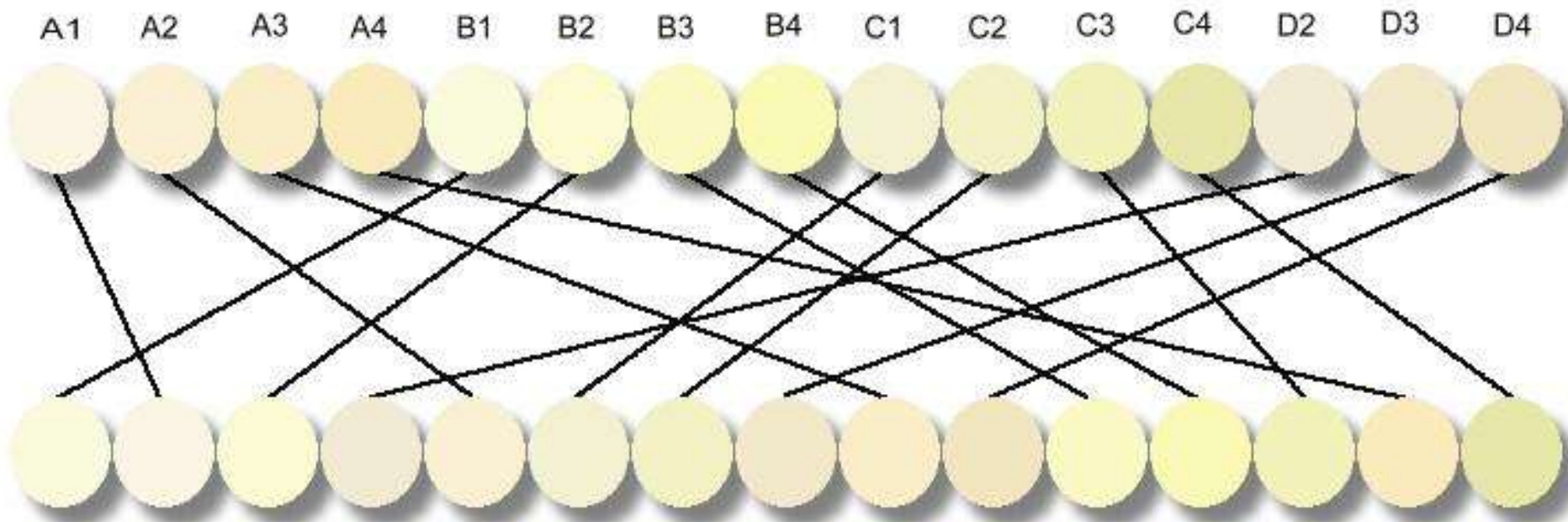
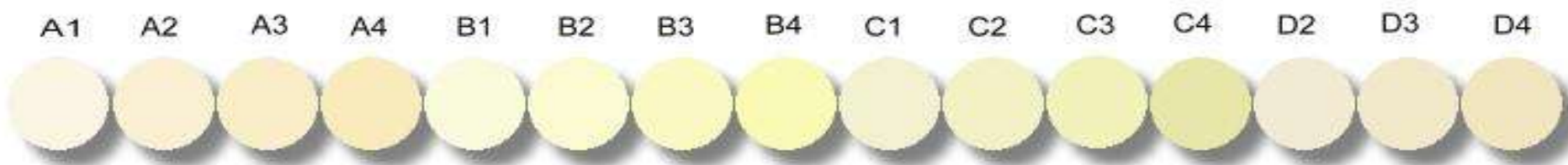
A1 A2 A3 A3.5 A4 B2 B3 C2 C4 D3

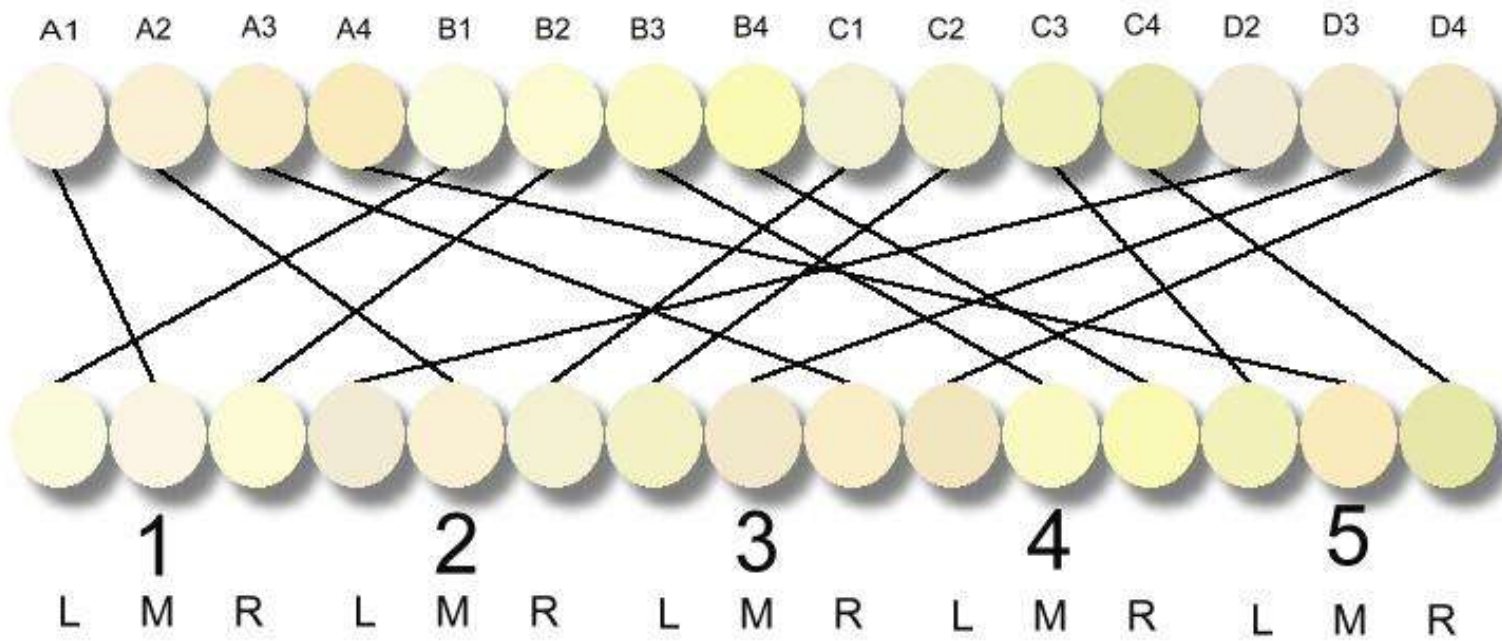
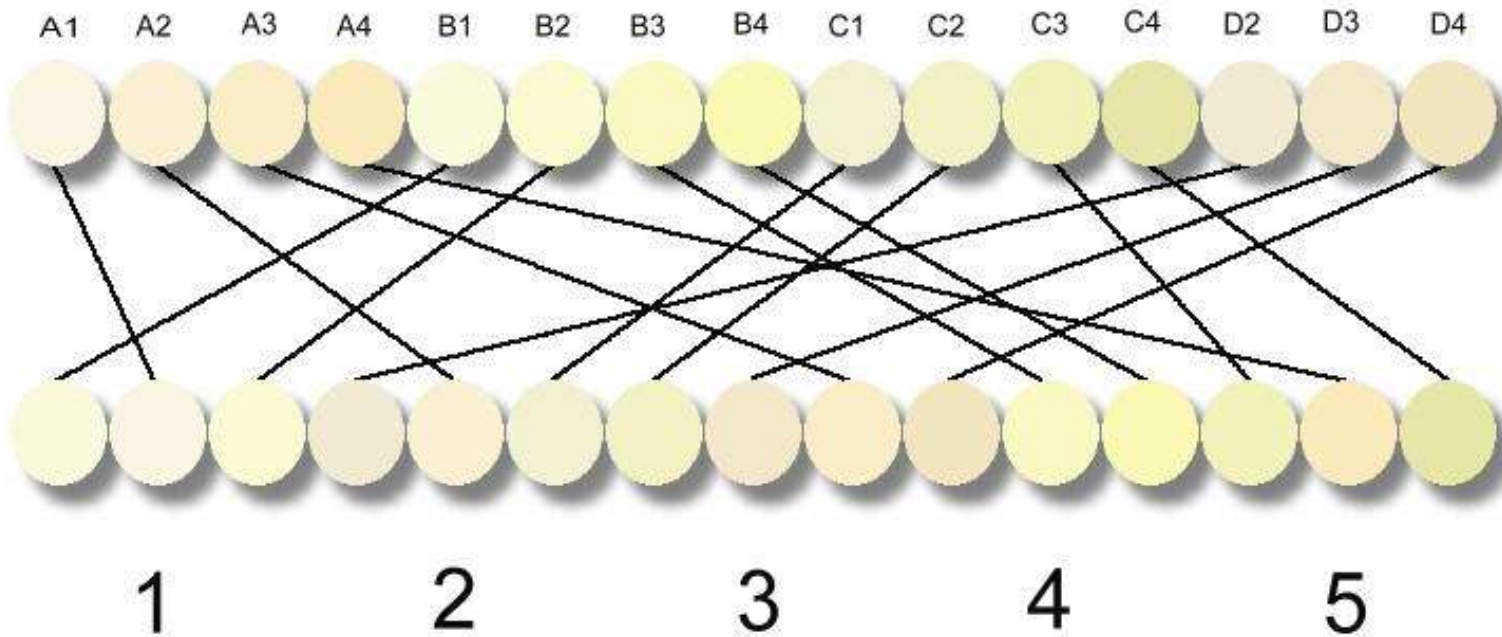


**ESPE** Pertac® II



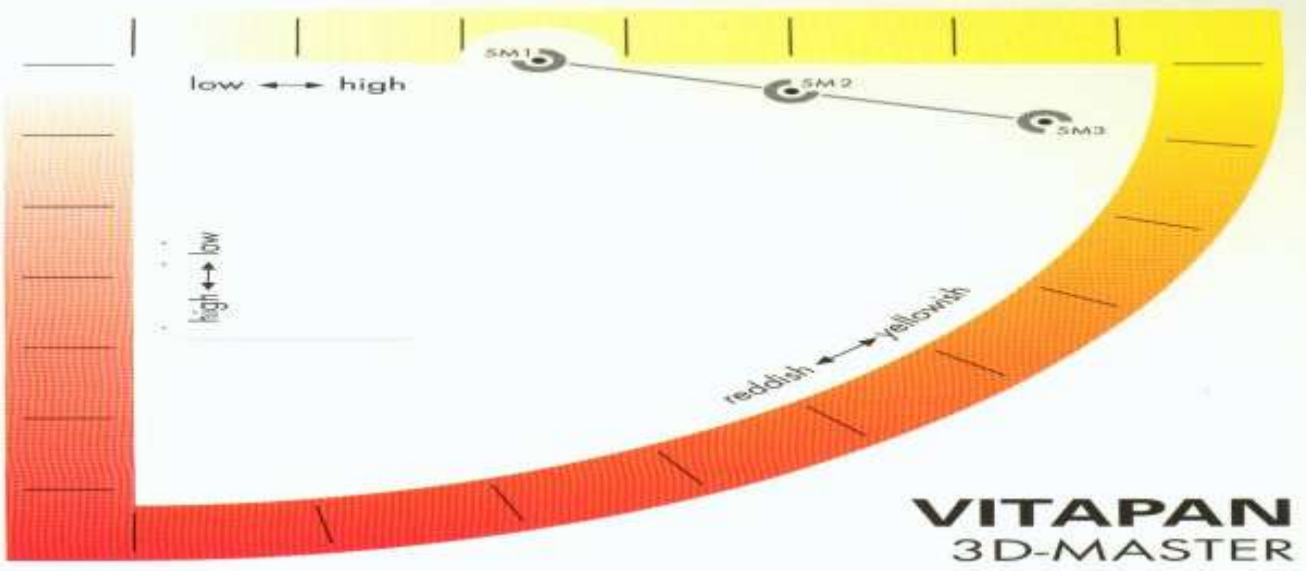
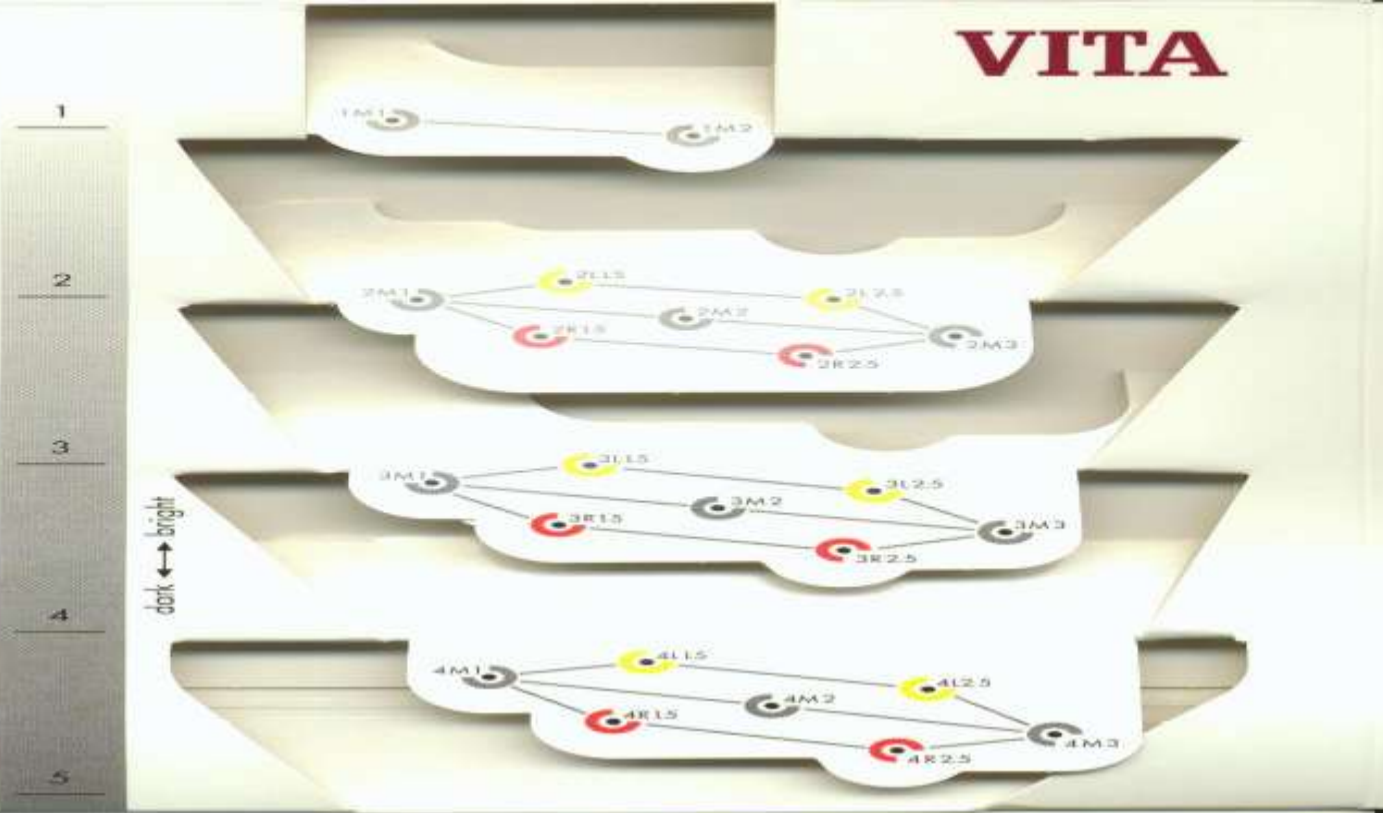
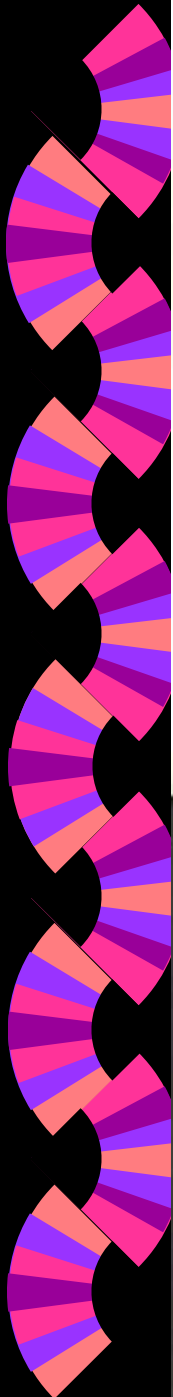




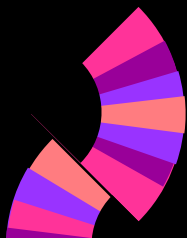




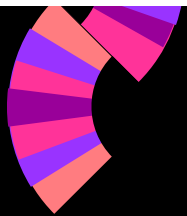
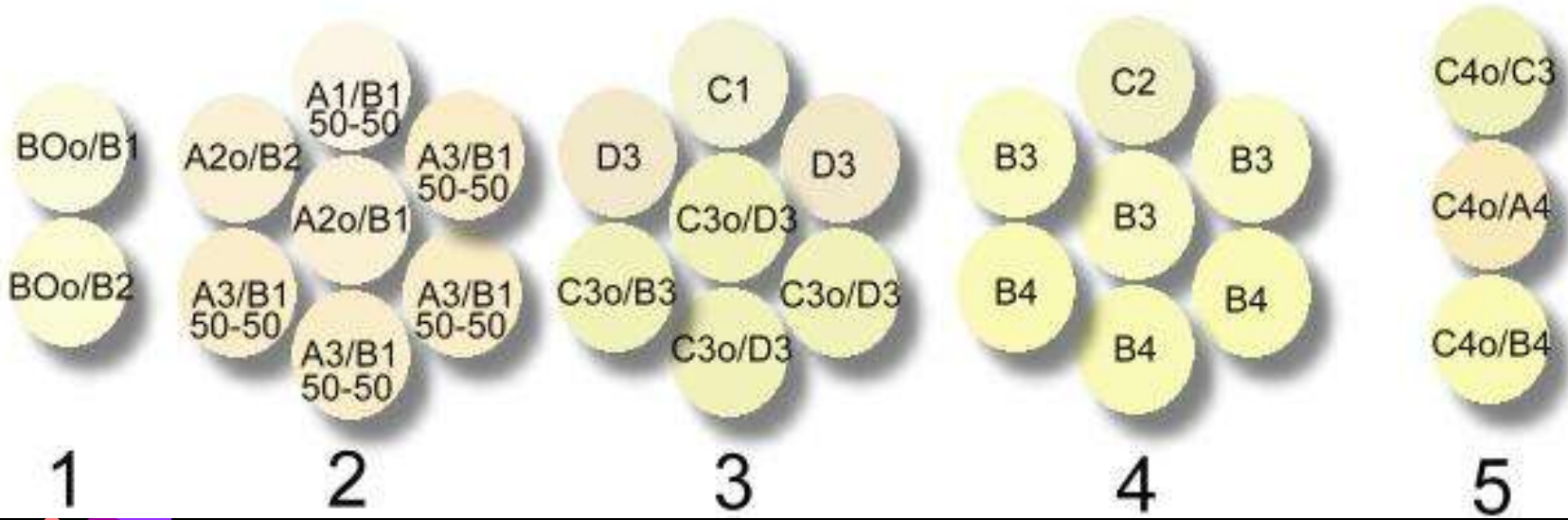








A1 A2 A3 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4





VITAPAN 3D-MASTER

VITA

# Color Communication Form

Laboratory: \_\_\_\_\_ Dentist: \_\_\_\_\_

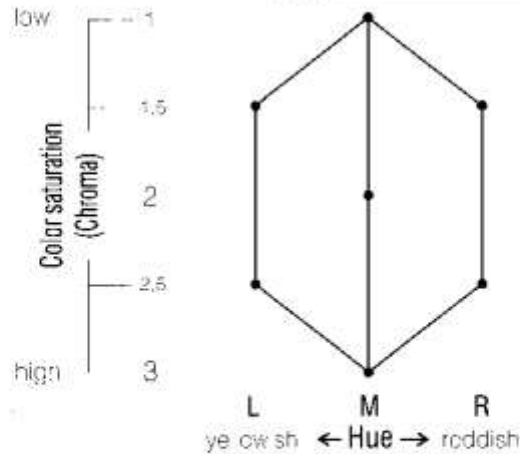
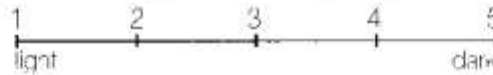
Patient: \_\_\_\_\_ age: \_\_\_\_\_ male  female



Tooth: \_\_\_\_\_

Remarks: \_\_\_\_\_

## Lightness Level (Value)



810E - 0198 (1000/BL)

Date: \_\_\_\_\_ Shade taken by: \_\_\_\_\_ Shade: \_\_\_\_\_