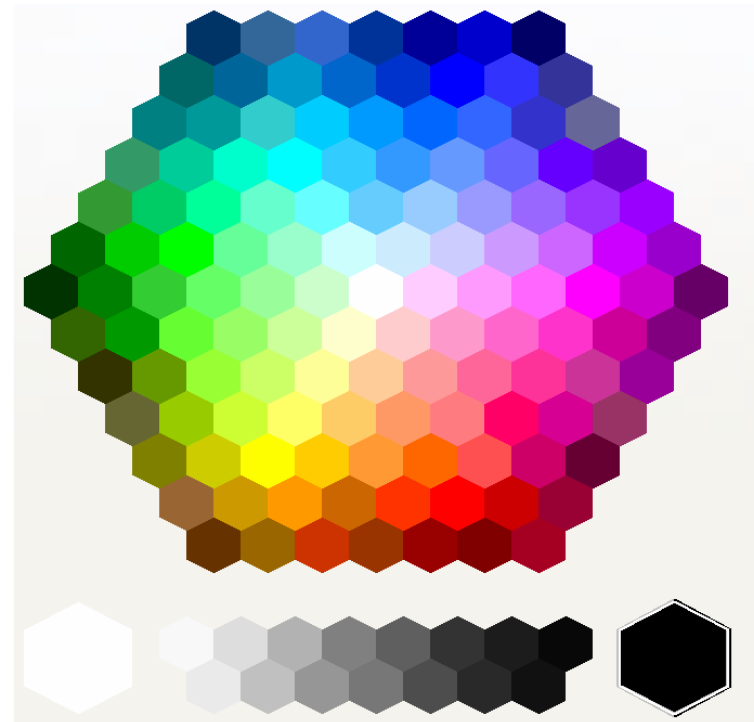
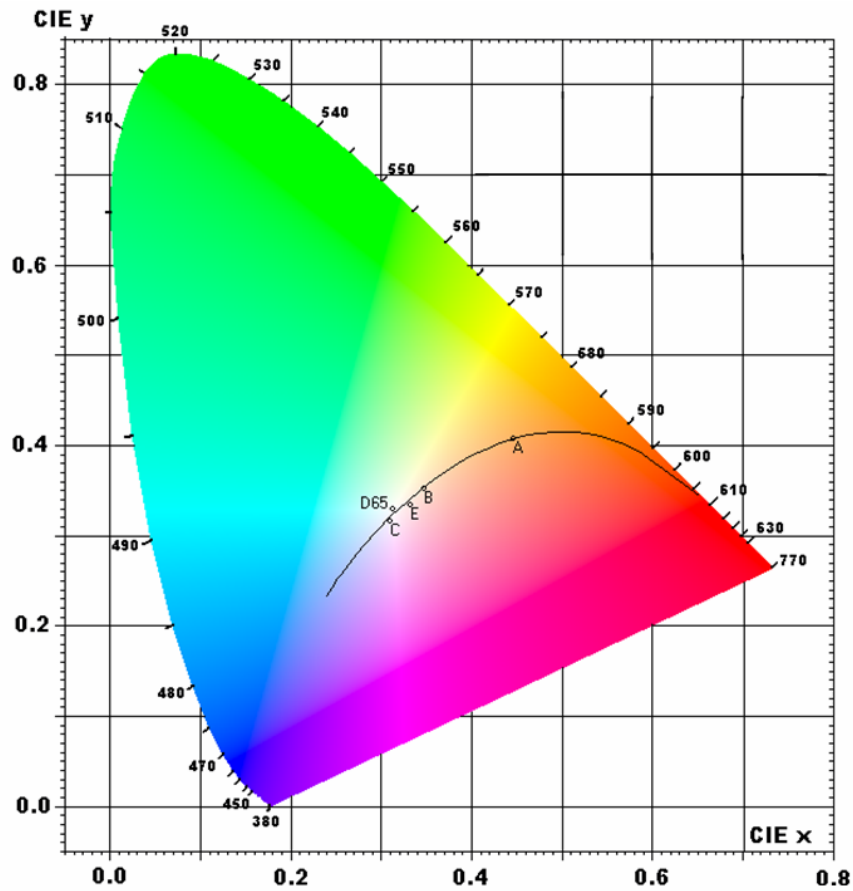




深圳秋田微电子有限公司
SHENZHEN AV-DISPLAY CO.,LTD.

Field Sequential Color LCD

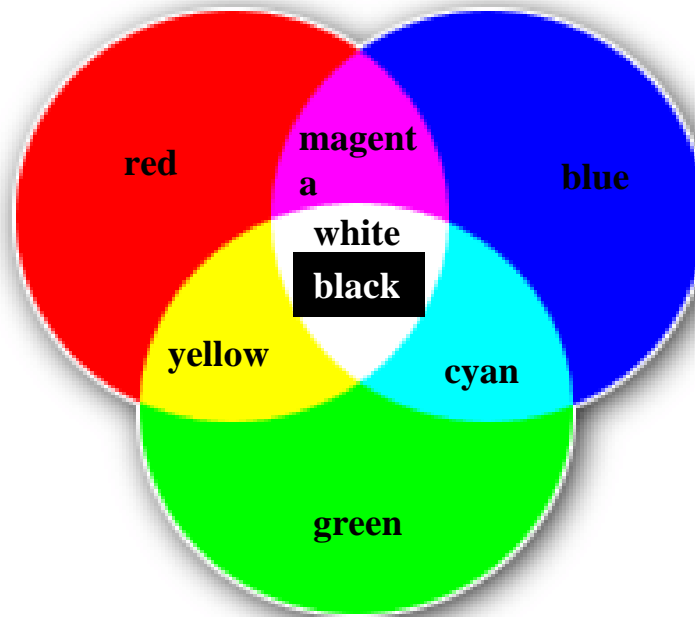
Various Colors



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How dose Field Sequential Color LCD work?

The principle of a sequential color LCD is based on a field sequential LED backlight. LCD is set to be on and off according to LED signal to create different colors.



General information of FS-LCD

Storage Temperature: $-30\text{ }^{\circ}\text{C}\sim 80\text{ }^{\circ}\text{C}$

Operating Temperature: $0\sim 70\text{ }^{\circ}\text{C}$

Driving Scheme: Static, $1/2\sim 1/4$ duty

Frame Frequency: $55\sim 60\text{Hz}$

Operating Voltage: 5V

Module Structure: COB, COG




LCM Interface (6Pin)

NO.	Symble	Level	Description
1	VSS	0V	Power supply for Logic (0V)
2	VDD	+5V	Power supply for Logic (+5V)
3	N/C	---	---
4	SEN	H/L	Enable signal
5	SID	H/L	Serial data input
6	SCLK	H/L	clock input





Features of FS-LCD

- 8 Colors: 
- Low cost as compare with TFT-LCD
- Vivid Color, wide viewing cone
(color saturation decreases for $\frac{1}{2}$ ~ $\frac{1}{4}$ duty driving)
- Fast response
- Touch Panel build in (C-TP)



Application of FS-LCD

Toys



Application of FS-LCD

Suitable for color ICON display, such as:
industrial panel 、 medical instrument
and etc

House Using:

induction cooker、 refrigerator、
air conditioner、 water heater、 oven,
and etc

