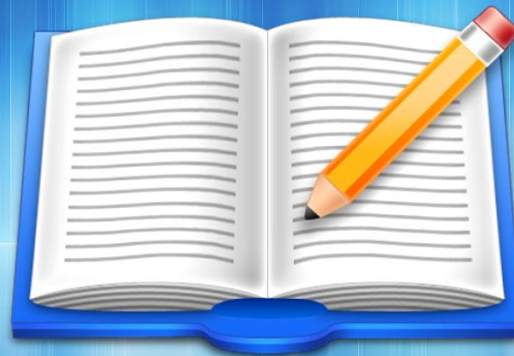


<http://www.zioulas.gr>



MULTIMEDIA

CHAPTER 3.1 - EXERCISES



EVANGELOS C. ZIOULAS (IT TEACHER)

EXERCISE 1

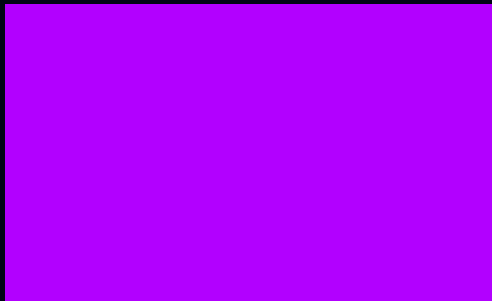
- **School book - Activity (p. 117)**
- **RGB Color Mix** is a small simple application which is specially designed to enable user to set the three basic colours (red, green, and blue) to mix any colour.
- You can download this app in following address:
http://www.gymit.gr/CD_ROM_Ekpaideftikou/files.html.
- Using this app on your computer, find out what colours come of the following combinations.

| RED | GREEN | BLUE | COLOR |
|------|-------|------|-------|
| 100% | 100% | 100% | |
| 0% | 0% | 0% | |
| 100% | 100% | 0% | |
| 0% | 100% | 100% | |
| 100% | 0% | 100% | |
| 50% | 50% | 50% | |

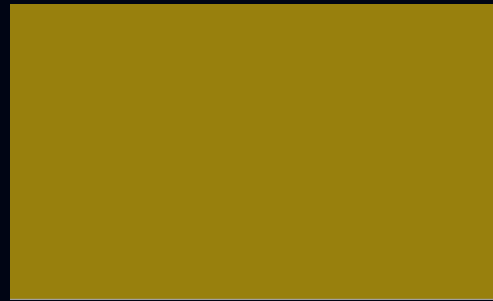
EXERCISE 2

- Use **RGB Color Mix** and describe what colour combinations of RGB model are needed in order to produce each one of the following colours.

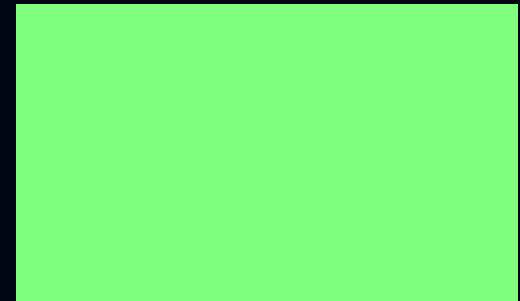
(a)



(b)



(c)



| RED | GREEN | BLUE |
|-----|-------|------|
| | | |
| | | |
| | | |

EXERCISE 3

- **School book - Question (p.116)**
 - How would you characterize an image with a colour depth of 1 bit;
 - How many different colours would this image have?