

# CS 111 Quiz #5: Instructions

- Record your responses for each question using your clickers/Reef app
- Record your responses when polling starts for that question
- If you miss a question, you will not receive any credit for it

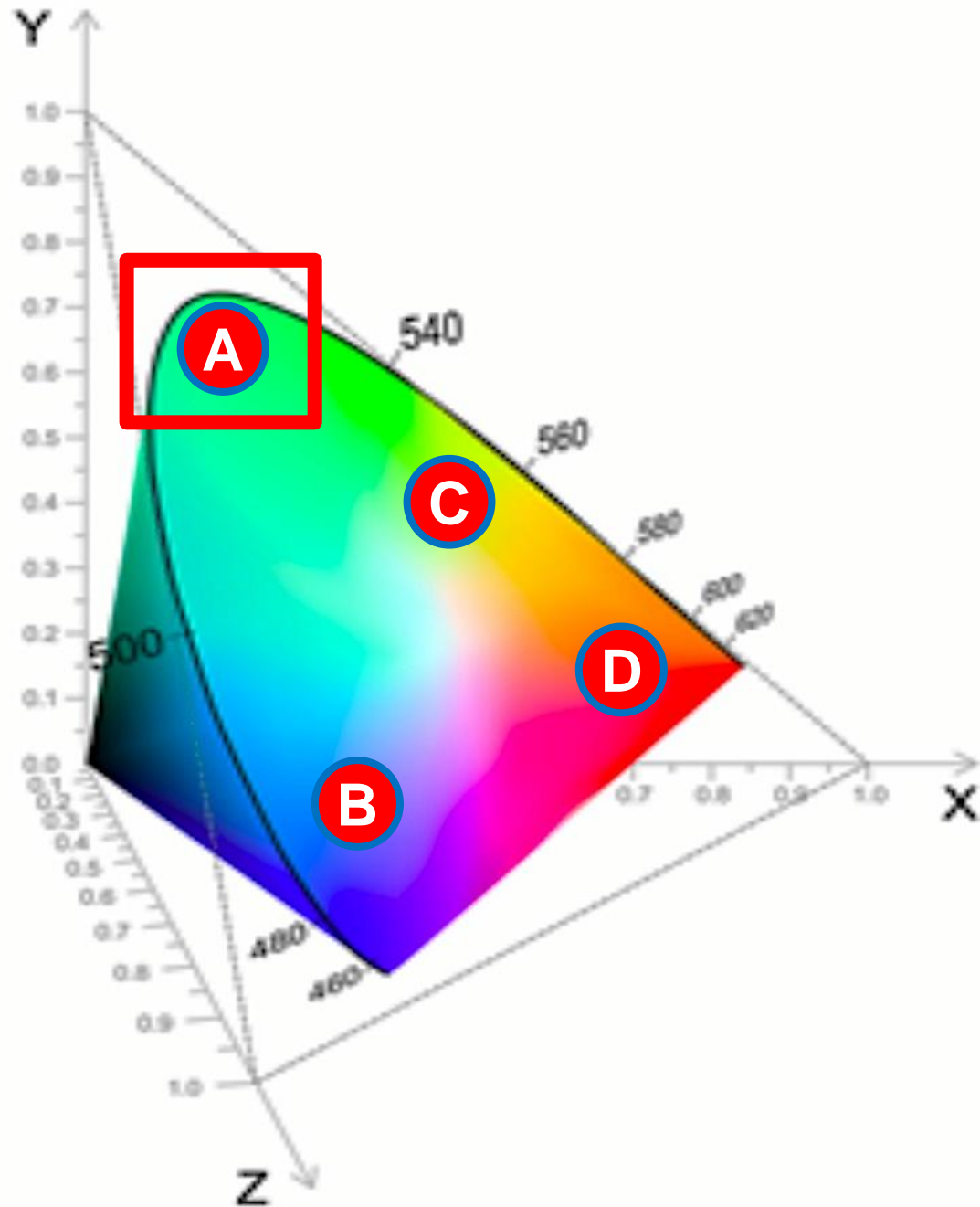
## Question #1 [1]

Two different color stimuli can have the same tristimulus values.

- A. True**
- B. False

## Question #2 [1]

Which point has the highest luminance?



## Question #3 [3]

Consider color C1 and C2 with chromaticity coordinates  $(0.3, 0.6)$  and  $(0.6, 0.3)$  respectively. If intensity of C1 is double of C2, the chromaticity coordinates of the additive mixture of C1 and C2 is given by:

A.  $(0.45, 0.45)$

B.  $(0.3, 0.5)$

**C.  $(0.5, 0.4)$**

## Question #4 [1]

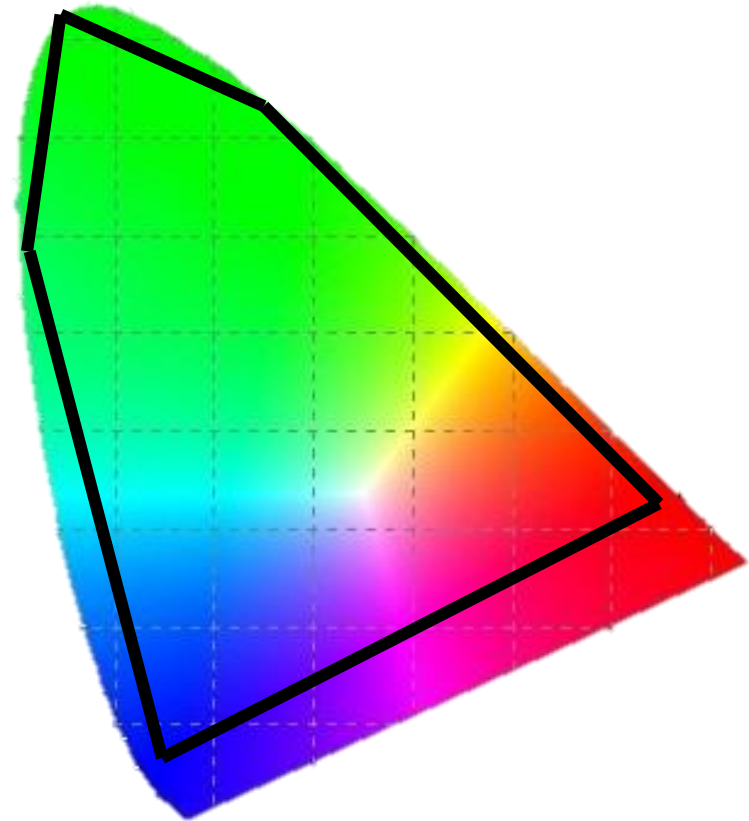
Consider two color spectra C1 and C2. Which of the following represents an additive mixture of C1 and C2?

- A. C1
- B. C2
- C. C1 union C2
- D. C1 + C2**

## Question #5 [1]

A display device has the following 2D color gamut (in black). How many primaries does it have?

- A. 2
- B. 3
- C. 4
- D. 5**

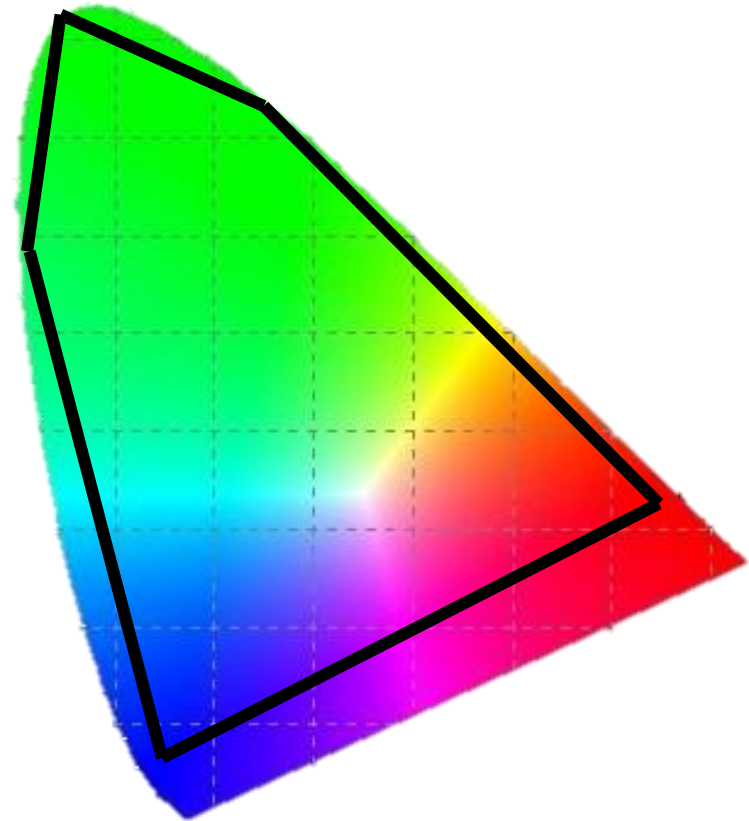


## Question #6 [1]

Is this device a linear device, i.e. can it be represented by a 3x3 matrix?

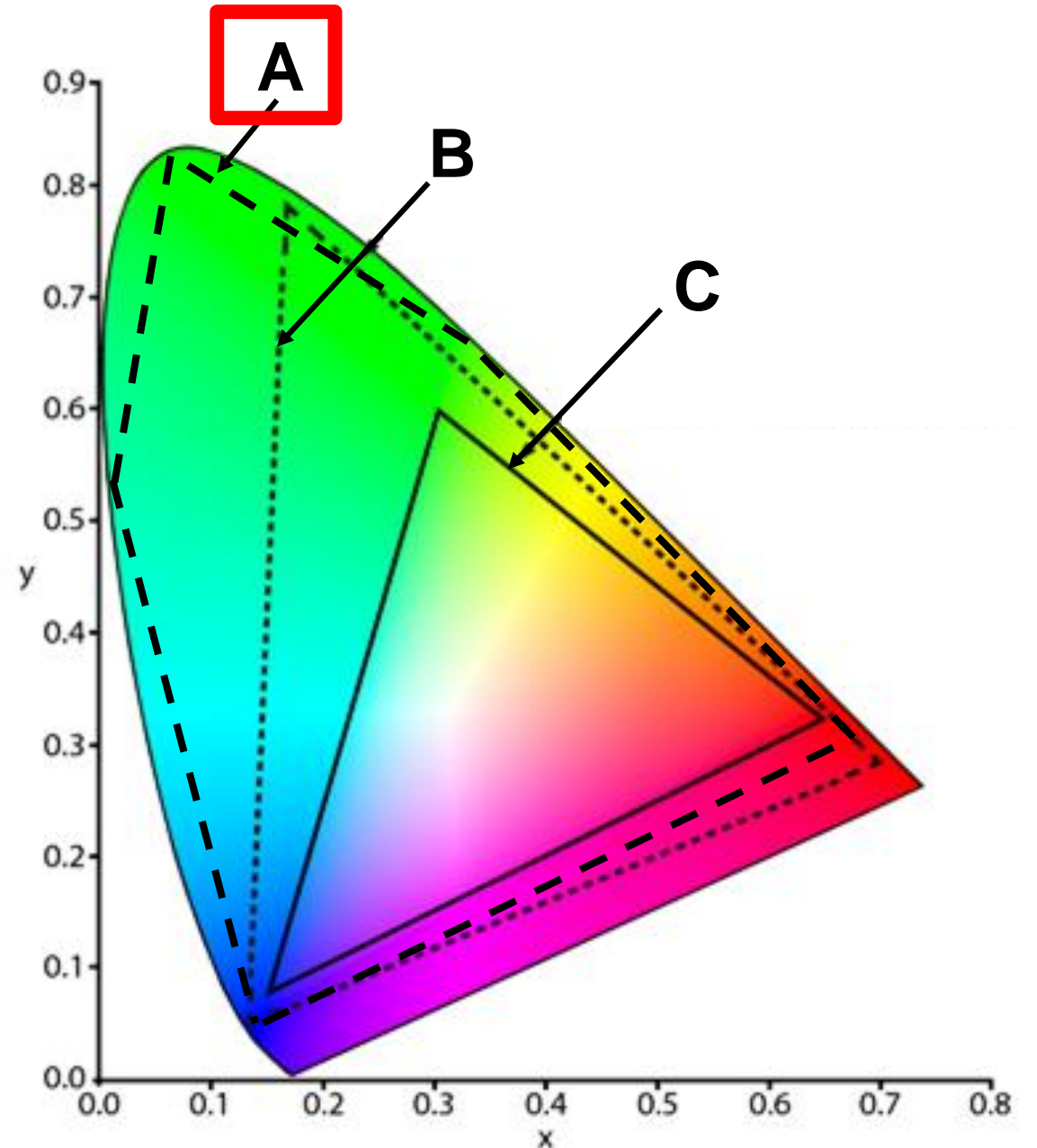
A. Yes

**B. No**



## Question #7 [1]

The figure shows the color specification for some devices. Which device has the largest 2D color gamut?





## Question #8 [1]

Using the same figure, which is the linear device with the largest 2D color gamut?

