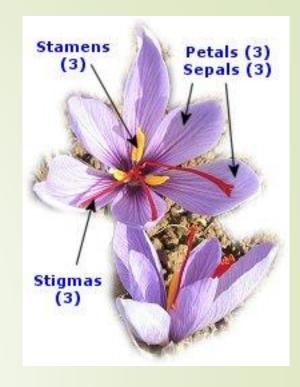
## Making Color

Orange



## Saffron

- Red stigma of crocus satirlus
- Flowers open only in morning and for one day
- Most expensive spice in the world (100,000-140,000 flowers needed for one kg of dye)
- In medieval manuscripts, used to imitate gold
- Will fade faster if closer to yellow, longer-lasting if closer to blue



https://reconstructinghistory.com/dyeing-with-real-saffron/

Saffron without mordant>



## Madder

- Oldest known dye substance globally
- Root of Rubia Tinctoria
- Red lake
- Entire medieval European towns had economies based on use of madder in textiles
- Needs to be cooked at low temp for at least 12 hours
- Not a rich red and can fade to orange



