

# Depth of Field (DoF)

What is depth of field?

- the block of space that is in focus from front to back is the DoF

What factors control the amount of depth of field in a photograph?

- three main factors control depth of field;
    - the size of the aperture (f-stop)
    - the focal length of the lens being used
    - the distance between the camera and the subject
- note:** the size of a digital camera's sensor also has a bearing on DoF

Further Explanations (video links):

Marc Silber: Photography Tips: Depth of Field - YouTube

Mile Browne:

Depth Of Field Explained Part 1 - short lens - YouTube

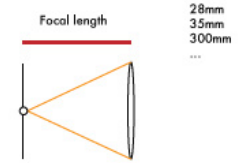
Depth Of Field Explained (Part 2) - long lenses - YouTube

Photography Tip: Depth Of Field Sandwich - YouTube

# Depth of Field

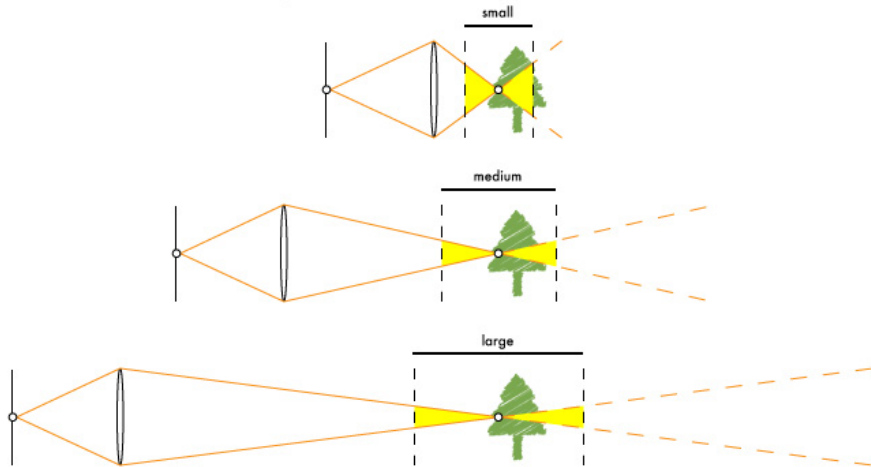
3 ways to control depth of field

1. Distance to the subject
2. Focal length
3. Aperture



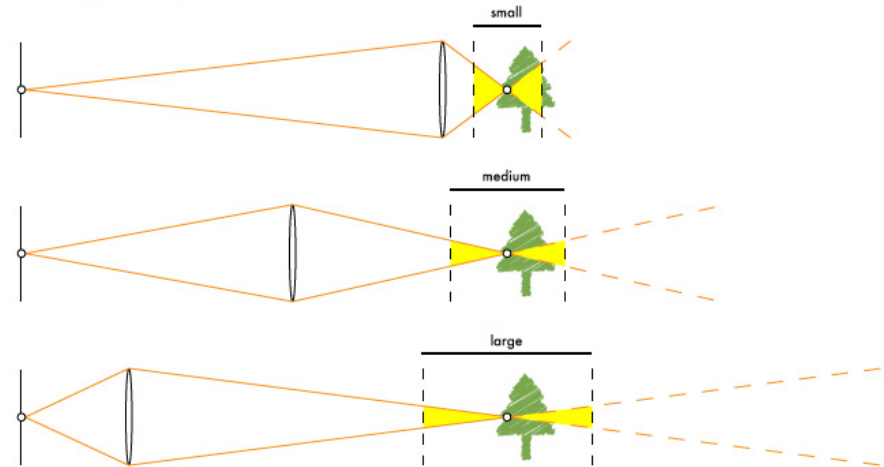
## 1. Distance to the subject

The dof increases with the distance to the subject



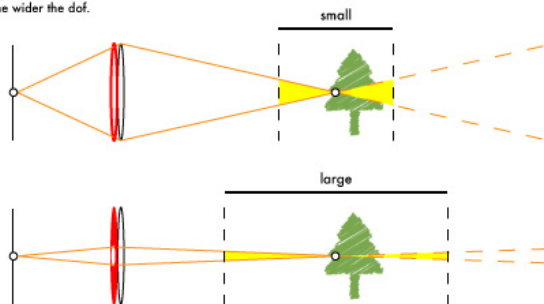
## 2. Focal length

The bigger the focal length, the smaller the dof



## 3. Aperture

The larger the aperture, the smaller the dof.  
The higher the f-stop, the wider the dof.



F-Stop	The size of the aperture is often referred to as an f-stop. The higher the f-stop, the smaller the aperture.
1.4 → 2.8 → 5.6 → 11	