Assignment 2

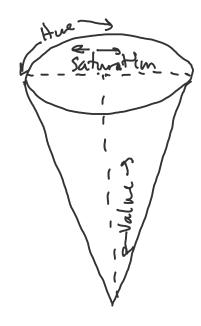
Wednesday, January 31, 2018 5:01 PM

- I. A pixel is a representation of a point of light, where many pixels make up a visual image. Ideally, a pixel should be infltessimally small, but in reality fechalcal limitations mean pixel size is limited by capture technique, display characteristics, and data size constraints.
- 2. a. Scale factor of 1. This will not change the image much other than shifting it to the left slightly.

 b. No scale factor applies. This will telete data from top edges and emphasize bottom edges.

 C. Scale factor of 16. This is a filter that will blar the image.
- 3. With bountary padding, one would need 980,000 mulfiplications.

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Value represents
the amount of
color present, perted,
where a value of zero
is no oder, black.

H → Hue 5 → Saturation V → Value

the represents the 6
primary and secondary
colors. Increasing / decreasing
it changes base colors below
mixed together.

Saturation represents how strongly the live is presented; makes colors duller or brighter.

5. The problem with this is that if done improperly, it consess colors on the low end and high end to get croshed! together. Variations in colors on the ends disappear.