# Lecture 18: CSS Size Units In Depth -CSS has several units for expressing a length. There are two types of length units, absolute and sielative. - Absolute Lengths & Absolute lengths units over fixed and a length expressed in any of these will oppear as exactly as size. Absolute length unit are not recommerded for use on screen, because screen size vory too much. For example . \* cm = centimeters \* mm = millimeters \* px \* = pixels (1px = 1/96th of 1in) \* in = inches (lin=96px = 2.54cm) \*pt = points (1pt = 1/72 of 1in) \* PC = Picas (1PC = 12pt) -> Relative Lengths: Relative lengths unit specify a length stelative to another length property. Relative length units scale better between different rendering medium. \* em ? Relative to the fant size of the element (2cm means 2 times size of wment font) \* rems Relative to the font size of the root element. Relative to the 1% of the width of the viewport. \* uh ? Relative to the 1% of the height of the viewpost. \* 0/0 : Relative to the parent element. → Difference between logical pixel and physical pixel: \* logical pixel : logical pixels, referred to as css pixels and it is virtual unit used in web design and development. Jogical pixels allow siesponsive design by prioriding a consistent sieference point for defining sizes and distances on webpages. \* physical pixel : physical pixels are also known as device pixels or hardware pixels. These are individual, tiny physical units on a display screen that emil light. Physical pixels are the size of the actual hardware pixels on the device. The number of physical pixels per logical pixel is described by the device Pixel Ratio. -> Difference between ppi and dpi -\* PPI: PPI refore to the number of pixels that are present in one inch of a digital image or display and it stands for pixel per inch. PPI is commonly used to describe the sesolution of screens, such as computer monitoris, smart phones and tablets. \*DPI: DPI is used to measure the number of dots (ink droplets) that a printer can produce in one inch on a printed page and it stands for

DPI is more relevant in the context of pointing devices. It indicates the level of details and closely that can be achieved when printing images or text.