### \* CSS Gradients

CSS gradients let you display smooth transition b/w two or more specified colors.

There are three type

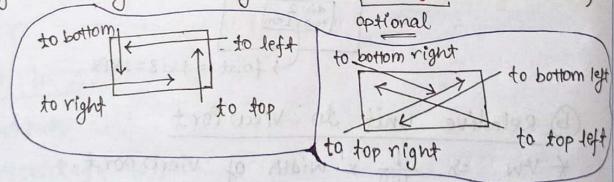
> Linear Gradients [goes down/up/left/right/diagonaly]
> Radial Gradients [defined by their center]
> Conic Gradients [rotated around a center point]

### 1) Linear Gradients

To create a linear gradienty you must define at least two color Stops color Stops are the colors you want to render smooth transition among.

You can also set a starting point and a direction or angle along with the gradient effect (direction, colors, co

background-image: linear-gradient ( to right, red, blue);



background-image: linear-gradient (210 deg, red, green, orange);

background-image: linear-gradient (to bottom, rgbq(255,0,0,0), rgbq(0,0,255,1)

# By default direction: to bottom

2) Radial Gradient

A radial gradient is defined by its center. To create a radial gradient you must also define at least two color stops Snytax souler souler souler souler soulers

background-image: radial-gradient ( shape Size at position, colors, color 2 ---);

background-image: radial-gradient (red, blue, green); text - shadows; 3PX By default shape :- ellipse

## 3) conic Gradient and that arong place mass son extent

A conic gradient is a gradient with color transition rotated around a center point

To create a conic gradient you must define atleast two colors, who are moball to 222 and

Syntax

background-image: conic-gradient (color), color2-),

- =) By default, angle is odeg and position is center.
- ) If no degree is specified, the colors will be spread equally ground the center point

# \* CSS Shadow Effects

With CSS you can add shadow to text and to element. rates character plus she is a store

> text-Shadow + box - Shadow

(1) Text Shadow The css text-shadow property applies shadow to text. Syntax text-Shadow: value 1 value 2 value 3 horizontal vertical Bluy
Shift Effect Shift Strift Background image; radial gradient (red) 4104 12 01 text-Shadow: 3PX 3PX 8ed, 5PX 5PX 5PX blue. NOTE; we can apply more that one shadow, in text. => By default shadow color is same as text color but we can apply different as per conventent. 2) Box Shadow The CSS box-shadow property is used to apply one or more Shadow to an element. Syntax box-Shadow: value 1 value 2 value 3; horizontal vertical Blur Shift EX3 · box {

box-Shadow: -10px 5px 5px green,

NOTE > By default shadow color is same as fext

color.

15PX -5PX 15PX red;

- R=) How can we add bowrder using shadow?
  we can add boarder using shadow by putting horizontal shift value and vertical shift value as 1PX'
  - multiple shadow can be added using comma.
  - =) color of the shadow can be changed.
  - 3) Spread rading can be changed.

# \* CSS Dimension Property

- =) Height
- =) width
- max-height ) content ke sath div ki height inc krega max height the fir overflow no jaye ga content.
- e) Min-height => min height tk div rengg, content km ho, the v awy content badh ne par div ka height badhega.
- 2) Max-width -
- 3 Min width worker troopersing with at substator

### \* Overflow Property

This property specifies whether to clip content or to add scrollbar when an element's content is too big to fit in a specified area.

NOTE:) The overflow property only works for block elements with a specified height.

Syntax overflow: Visible/hidden/clip/scroll/auto

valuey in overflow

### \* CSS Position Property

The position property specifies the type of positioning method used for an element,

## 1) Static (By default)

An element with position: static; is not positional in any special way it is always positioned to the normal flow of page.

### 2) Relative

An element with position: relative; is position relative to its normal position,

Setting the top, right, bottom, and left properties of a relative positioned element will cause to be adjusted away from its normal position lyposition relative;

left: 15 PX;

top: 10 PX

### (3) Fixed

An element with position: fixed: is positioned relative to the viewport which means it always stays in the same place own if the page is scrolled. The top right bottom and left properties are absolute position the element.

4 [ position: fixed;

#### 1 Absolute

An element with position; absolute, is positional relative to the nearest positioned ascertor. However, if an absolute positioned element has no positioned ancestors, it uses the document body and move along with the page scroll.

NOTES Absolute positioned element are removed from the normal flow, and can overlap position: absolute; element. top : 100PX left 1 15PX 5 sticky The element is positioned based on the wer's scroll position. A sticky element toggles b/w relative & fixed depending on the scroll position. position: sticky; \* 2D Transform Transform property you can use following method-TYPE ISTRAPORT DOUBLET IT TO BE SEE s) translate () =) rotate () =) Scale X () And of this will be the same of => Scale Y () 3 Scale () c) slose i myo knows =) Skew X() =) Skew y() 3 Skew () => madrix () translate orginal translate MIDON The translate method moves an element from its current position according to its given parametery Syntax translate (value 1, value 2);

The rotate() method rotates an element clockwise or counter-clockwise according to a given degree transform: rotate (20 deg);

3 Scale()

Scale()

Scaled

Totate()

scaled inorignal

The scale () method increases or decreases the size of an element according to the given parameters for the width and height.

Ex => div {
transform: Scale (2, 3);
}

Scale x Scale y

NOTE =) We can also we scale X & scale y seperately

(1) Skew ()

orignal > Skew

The skew () method skews an element along with X and Y-axis by the given angly.

Ex=) div { transform: Skew

transform: Skew (20deg, 10 deg),
Skew X Skewy

we can also use skewx & skewy seperately.

```
(5) modrix ()
 The matrix () method combines all the 2D
  transform method into one.
 The parametery are as follow:
      matrix (scale X(), skew Y(), skew X(), scale Y(),
              translate X (), translate Y ())
            transform: matrix (1, -0.3, 0, 1, 0, 0);
  EX=)
       div
  A set of properties can be applicall to treat
* 3D Transformy
 It works on the Z-axis like 2D frankorm
which works on x-axis and y-axis. Not possible
 to explain in 2D transform.
  Ex > +ransform-inclass }
               transform: persepective (15 PX); translate Z (-10 PX);
         # card {
         transform: persepective (350 px)
                        Scale Z (40 deg)
                        rotate X (45 d-eg)
                         rotate / (30 deg):
```