V) Sticky
Min of relative a fined (3)

Acts like relative unitil you scrobb to certain point, then it becomes fined

Z-inder property

-) Controls the stacking order of elements, determine which elements appears in front of or behind others useful when elements overlap.

-> Higher reinden ratues appear in front of lower ones -> only works on elements with a positioning content.

Overflow Property

Specifies what should happen if content overflow's an element's box

This works only with block elements with specified height.

overflow: visible | Lidden | clip | scroll | auto;

Opacity

Speifies the transparency/opacity of an element the Lower the value, the more transparent.

Range:-0.0 to 1.0

Allow mathematical enpression to be used as groperty values

cal ()

max()

min()

CSS Gradients

CSS gradients let you display smooth transition blu two or more specified colons.

* CSS defines three types of gradients:

i, linear gradients (goes up | down | left | right | diagonally)

ii, Radial gradients (defined by their center)

iii) Conic gradients (notated around a center point)

CSS linear gradients

To create linear gradient you must define at less 2 color stops. Color stops are the colors you want to render smooth transitions among you can also set a starting point & a direction (or an angle) along with gradient effect.

Syntan: background-image: linear-gradient (direction, colorstop1, color-stop2,---); Directions: () (Top to Bottom) Default (3) Diagonal

(2) left to Right

Using Ingles

You can also define angles, instead of predefined direction

Syntan: Background-image: linear-gradient (angle, cola1, colon2/,

Radial Gradient

Defined by its center

Also needs to define atleast 2 color stops

Syntan

Background-image: nadial-gradient (shape size at position, colon 2...);

By defailt shape is ellipse.

Conic Gradient

Gradient with color transition notated around a center point.

-, Needs atleast 2 colon

-) By default, angle is Odeg & position is center -> If no deg. specified, colors will spread equally around center point

a series

With CSS you can add shadow to tent do to dements :- y text-shadow to elements :- & text - shadow

4 box - shadow

Tent shadow

tent shadow property applies shadow to The CSS tent.

tent-shadow: value1. ralue2 value3. colon;
horizontal vertical Blun
shift thift effect

mandatory optional

En py tent-shadow: 2pn 2pn.;

By default shadow whom is same as tent whom.

Bon Shadow

CSS Bon-shadow property is more shadows to an element. used to apply one

value 3 value 4 calon,.
Blue spread
effect nadius Syntan: bon-shadow: value 1 value 2 nonizontal vertical Blur effect

A How to add bonder wrig shadows? (22)

An By putting thorizontal & vertical shift value as

I pr

- =) Multiple shadows can be added using comma
- =) Colon can be chaged
- =) Spread radius can be chared

Dinemons in CSS

height
weidth
Max-height
Min hight
Max-weidth
Min-width

2D Transform

side X ()

scale ()

CSS transform allow you to more, notate, scale

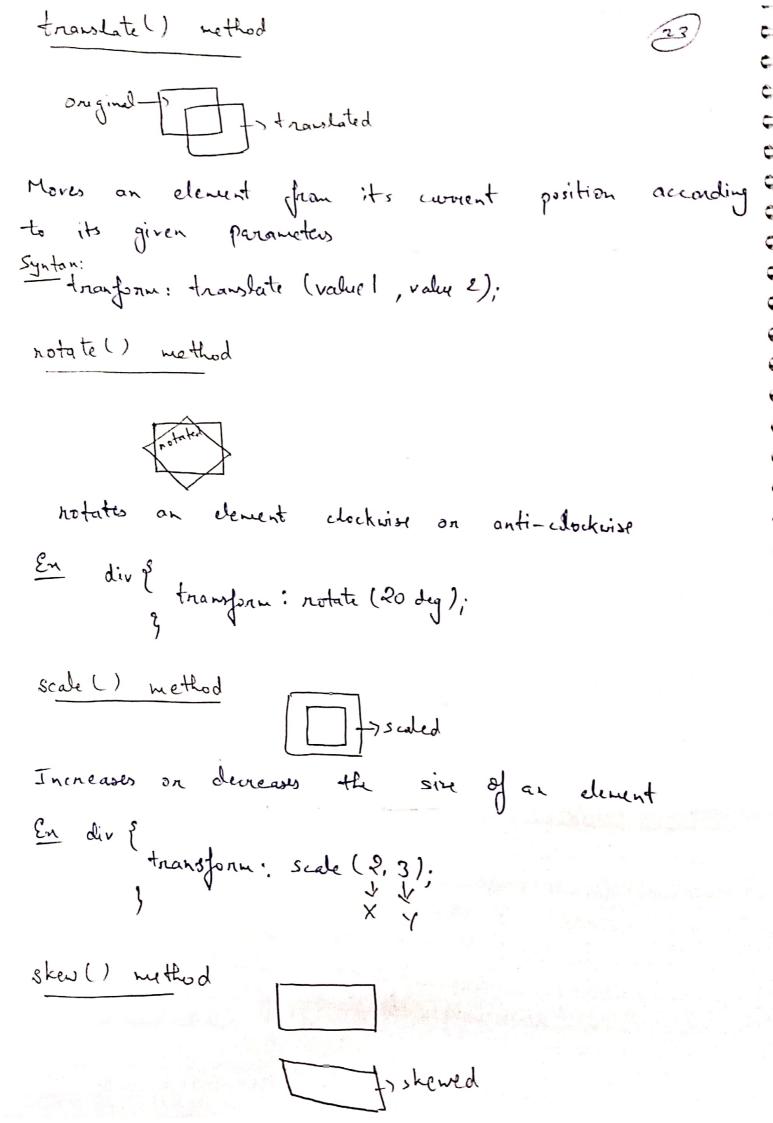
8 skew elements

With transform property you can use the following methods

translate()

scale()

scale()



(skew: Directed towards specific place on directed) (24) skews an element along with X & Y askis by given angles

En dir p
transform: skew (20deg, 10deg);

matin() method

combines all 20 transform methods into one. The guaracters are as: matrin (scaleX (), skew X(), skewX(), scaleY(), translateX(), translateY()).

3D Transpru

Works on 2- anis

CSS Transitions

allows you to change property values smoothly, over a given duration.

Properties: transition transition-delay transition-duration transition- property transition-timing- function To create transition effect, you must specify of things:

-) the CSS property you want to add an effect to

Note: By default duration is 0

transition-timing-function specifies the speed curve of the transition effect. It can have values:

case-) specifies transition effect with slow start, then just, linear -). Some speed from start to end. ease-in -> slow start

ease-out -> slow end ease-in-out -> slow start dend cubic - bezian (n,n,n,n)

transition- delay

specifies a delay (in sec) for transition effect.

transition- duration

It specifies how many sec on williseconds a transition takes to complete

```
transition- property
It specifies the name of the CSS correspondy the transition effect is for.
                                                                Ç-
                                                                -
tansition: shorthand property.
                          tining function
En div s
         transition: width as linear 1s;

property dwation delay
  CSS Variables
The var () Junction is used to insert the values of
                                                                 C
a CSS variables.
 CSS variables have access to the DOM, which wears
that you can create variables with local on global scope, change the variables with JS & change
the variables based on media queries
Syntan:
The varl) function is used to insert the values of
a CSS variables var (-- name, value)
En: : 200 t ?
```

-- blue: # 1090ff;

-- white: # #### ;

C

6

CSS Math Functions

The CSS math functions allow mathematical expensions to be used as property values. Here we will explain the calc(), man() 2 min()

The cold (Function

The cale() function performs a calculation to be used as the property value syntan: calc(enpression)

The max() function

The max() June was the largest value, from a common seperated list of values, as the property value

Syntax: max(value1, value1, ...)

The min() function

The min () func uses the smallest value, from a comma-separated list of values, as the property values.

Syntan: min (valuet, value ?, --)

* Viewpont

The area of the window web content can be seen. We use the dimensions of the view-port as the basis of our media queries

Media queries are used to set different style rules for different devices on sized screens. We use breakpoints to set the condition of a media query

The logic is Omedia (feature: value)

CSS Image Filter Effects The CSS filter property is used to add visual effects to elements Following functions used: * thur() * brightness() * contrast () * drop-shadow () - grayscale () * hu-notate () * invert () * spacity() * saturate () * sepia () object fit Property C The CSS object-fit property is used to specify how an ring , on wideo > should be resized to fit its Comme C container Values: - + fill (Default) *contain (nexted to *cover (chipped to fit) thone * scale down

C

CSS allows animation of HTML elements without using Javascript on Flash!

Properties

- * @keyframes
- + animation name
- * animation-duration
- * animation delay
- * animation- iteration count
- * animation-direction
- * onimation-timing-function
- * animation- fill mode
- * animation

What are CSS Animations?

On animation lets an element gradually change from one style to another

You can change as many CSS properties you want, as many times as you want

To use CSS animations, you must first specify some keyframes for the animation.

The Okeyframe Rule

when you specify CSS Styles inside the Okeyfrance rule, the animation will gradually charge from

the current style to the new Okeyfrane enample? 0% I from & background - wolon: red;) 100% to & background - won: yellow; } width . 100 px; height: 100pm background - colon: red; animation - name : enample; animation-durotion: 4s; NOTE: The animation-duration property defines how long on animation should take to complete. If it is not specified, no animation will occur, because default value is Os.

animation - name

It specifies the name of the Okey frame onimation. En Okey frame enample &

Delay on Animation

The animation-delay property specifies a delay for

the start of an animation =) Negative values are also allowed If using regative values, the animation will start as if it had already been playing for Aseconds En dir p animation-delay: 4s; Set number of times an Animation should run. The animation-iteration-count property specifies the number of times an animation should run. En div 8 ___ janimation - iteration- count: 3; Above enauple will run animation 3 times. Mination Directions The animation-direction property specifies whether an animation should be played forwards, backwars, backwars, etc Values: * normal -> * neverse < * alternate -> <-* alternate-neverse <-->

C

En: dir f

animation direction: normal;

Speed Curve of the Animation

The animation-timing-function property specifies the speed curve of the animation

Values: * ease

* linear

+ case-in

x case-out

* ease-in-out

" cubic - bezier (n, n, n, n)

animation-timing-function: linear;

Fill mode in Animation

CSS animations do not affect an element before the 1st keyframe is played on after the last keyframe is played The animation-fill-mode property can override this behavior.

The values of this property are:
* hackwards

* Jonwards * both

<u>En</u> div s

animation-fill-mode: jouwards;

· Brimation Shorthard Property

The animation property is a shorthand property that is used to put all the properties into a single property.

animation! enample so linear de infinite alternate;