



Lecture - 16 - Transformations

- The transform property applies to 2D or 3D transformation to an element.

→ transform: translate (200px, 300px)

↓ ↓ ↓

moves an X-axis Y-axis

element in value value.

X & Y axis

You can also -ve values!

→ transform: scale (2, 3)

↑ ↑

width height

increases or decreases the size of an element

→ transform: rotate (45deg)

rotates an element

clockwise or anti-clockwise

↓ ↓

+ve degree negative degree.

$$X = \alpha x P_3 \quad Y = \alpha y P_3$$

Chaining transform

rotates in respect to
bottom-right.

* 3D Transformations

Rotates along
Y axis.

→ Negatives
Values can be
given.

moves in
Y direction.

but we can't see?

③ transform : Scale X (0.5)

↓
width
will be
small

transform : Scale Y (0.5)

↓
height

transform : Scale Z (2)

↓
Scales along
Z-axis.

perspective (100 px)

↓
we can't see,
add perspective

rotate (45 deg)

↓
Rotate to
actually see,