

## px (Padding X-axis)

- Left + Right padding

```
<div class="px-4">Content</div>
```

➡ Left aur right dono taraf padding lagegi

## py (Padding Y-axis)

- Top + Bottom padding

```
<div class="py-2">Content</div>
```

```
<div class="py-2">Content</div>
```

➡ Upar aur niche padding lagegi

Clas s	Meaning
-----------	---------

pt-4	padding-top
------	-------------

pb-2	padding-bottom
------	----------------

pl-3	padding-left
------	--------------

pr-5	padding-right
------	---------------

```
<div class="ml-4">Box</div>
```

➡ Left side se gap

## ◆ mr – Margin Right

```
<div class="mr-2">Box</div>
```

➡ Right side se gap

## ◆ **mt** – Margin Top

```
<div class="mt-6">Box</div>
```

→ Upar se gap

## ◆ **mb** – Margin Bottom

```
<div class="mb-3">Box</div>
```

→ Niche se gap

```
<div class="mt-4 mb-2 ml-6 mr-6">  
  Product Card  
</div>
```

Upar: 4

👉 Niche: 2

👉 Left: 6

👉 Right: 6

Clas s	Meaning
-----------	---------

mx-4	left + right margin
------	---------------------

my-6	top + bottom margin
------	------------------------

```
<div class="flex justify-center">  
  Items  
</div>
```

→ Saare items **center** me aa jaate hain

```
<div class="flex justify-evenly">  
  Items  
</div>
```

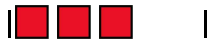
→ Items ke beech **equal space**, aur edges par bhi equal space

**flex-row** → **Left** ↔ **Right**

**flex-col** → **Top** ↑ **Bottom**

justify-content: flex-start;

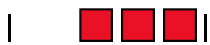
👉 **Sab items start side par chipak jaate hain**



Koi extra space items ke beech **nahi**

Saari khaali jagah **end side** me chali jaati hai  
justify-content: flex-end;

👉 **Sab items end side par chipak jaate hain**



Extra space **start side** me hota hai

Items right side (ya bottom) me

justify-content: space-between;

**Pehla item start, last item end**



Logic:

- **Edges par space nahi hota**
- **Sirf items ke beech gap**
- **First aur last bilkul corner pe**

justify-content: space-around;

**Har item ke 4 taraf space**



tems ke left & right **half-half space**

Edge ka space **beech ke space ka aadha**

justify-content: space-evenly;

## Har jagah equal space



Class	Short logic
-------	-------------

start	Sab start me
-------	--------------

end	Sab end me
-----	------------

between	Beech me space, edge tight
---------	----------------------------

around	Edges me aadha space
--------	----------------------

evenly	Har jagah barabar
--------	-------------------

```
<div class="flex justify-start border p-4">  
  <div class="box">A</div>  
  <div class="box">B</div>  
  <div class="box">C</div>  
</div>
```

| A B C |

Sab items **left side** me chipke hue

👉 Right side khaali space

```
<div class="flex justify-end border p-4">
```

| A B C |

👉 Sab items **right side** me

```
<div class="flex justify-between border p-4">
```

| A B C |

A bilkul left

C bilkul right

B beech me

## Edges par space nahi

```
<div class="flex justify-around border p-4">
```

| A B C |

Har item ke left/right thoda space

Edge ka space **aadha hota hai**

```
<div class="flex justify-evenly border p-4">
```

| A B C |

Left, right, beech sab jagah **equal space**

Clean & balanced UI

```
<nav class="flex justify-between items-center px-6 py-4">
```

```
<h1>Logo</h1>
```

```
<ul class="flex gap-4">
```

```
<li>Home</li>
```

```
<li>Shop</li>
```

```
<li>Cart</li>
```

```
</ul>
```

```
</nav>
```

Logo            Home Shop Cart

UI Need	Use
Left align	<code>justify-start</code>
Right align	<code>justify-end</code>
Navbar	<code>justify-between</code>
Equal gaps	<code>justify-evenly</code>
Loose spacing	<code>justify-around</code>

```
<div class="flex justify-center border p-4">
  <div class="box">A</div>
  <div class="box">B</div>
</div>
```

```
| A B |
```

👉 Items **left–right ke beech (center)** me aa jaate hain

```
<div class="flex items-center h-32 border">
  <div class="box">A</div>
</div>
```

tem **upar–niche ke beech** me

```
<div class="flex justify-center items-center h-32 border">
  <div class="box">A</div>
</div>
```

Direction	Tailwind
Left–Right	<code>justify-center</code>
Top–Bottom	<code>items-center</code>

flex-direction: row;

**Main-axis = Left ↔ Right**

👉 **Cross-axis = Top ↓ Bottom**

```
<div class="flex flex-col items-center">
  <div>A</div>
  <div>B</div>
</div>
```

```
| A |
| B |
```

Layout	Main-axis	Center class
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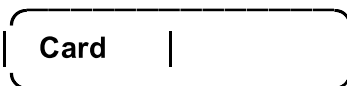
**flex-row**   Left ↔   **justify-\***  
**ow**   Right

**flex-row**   Top ↑   **items-\***  
**ow**   Bottom

**flex-column**   Top ↑   **justify-\***  
**ol**   Bottom

**flex-column**   Left ↔   **items-\***  
**ol**   Right

```
<div class="rounded-xl border p-4">  
  Card  
</div>
```



**rounded** = thoda gol

**rounded-lg** = aur zyada gol

**rounded-xl** = zyada smooth / modern curve

**rounded-2xl** = aur zyada gol

**rounded-full** = circle / pill

```
<div class="bg-white rounded-xl shadow-md p-6">  
  Product Card  
</div>
```

Smooth rounded corners

Light shadow

Professional / modern look

**rounded-xl** → corner gol

**shadow-md** → neeche halki chhaya

```
<div class="p-4 border">  
  Text  
</div>
```

Top padding

## Bottom padding

Left

Right

चारों side same padding

Clas s	Kaam
-----------	------

p-2	chhota gap
-----	------------

p-4	normal gap
-----	------------

p-6	zyada gap
-----	-----------

px-4	left + right
------	--------------

py-4	top + bottom
------	-----------------

```
<div class="p-1">...</div>
```

```
<div class="p-2">...</div>
```

Clas s	Gap
-----------	-----

p-1	4px
-----	-----

p-2	8px
-----	-----

p-3	12p x
-----	----------

```
<div class="mt-1 mb-2">...</div>
```

Clas s	Gap
-----------	-----

m-1	4px
-----	-----

m-2	8px
-----	-----

```
<div class="flex gap-2">
```

```
<div>A</div>
```

```
<div>B</div>
```

```
</div>
```



Clas	Gap
------	-----

gap-1	4px
-------	-----

gap-2	8px
-------	-----

gap-3	12px
-------	------

```
<div class="flex items-center gap-2 p-2 rounded-lg shadow-sm">  
  <Icon />  
  <span>Profile</span>  
</div>
```

Situation	Use
Text & border ke beech	p-1 / p-2
Boxes ke beech	m-1 / m-2
Flex items ke beech	gap-1 / gap-2

```
<p class="text-lg">Normal text</p>  
<p class="text-xl">Thoda bada</p>  
<p class="text-2xl">Heading jaisa</p>  
<p class="text-3xl">Big heading</p>
```

Class	Effect
text-base	default
text-lg	readable
text-xl	strong
text-2xl	heading

text-3xl hero  
text

<p class="font-medium">Medium</p>  
<p class="font-semibold">Semi Bold</p>  
<p class="font-bold">Bold</p>

<p class="text-gray-600">Soft text</p>  
<p class="text-gray-800">Dark text</p>  
<p class="text-black">Strong text</p>

Class	Effect
-------	--------

leading-snug	tight
--------------	-------

leading-normal	normal
----------------	--------

leading-relaxed	readable
-----------------	----------

<h1 class="tracking-wide">Heading</h1>

Class	Use
-------	-----

tracking-tight	compact
----------------	---------

tracking-wide	classy
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<h2 class="text-2xl font-semibold text-gray-800 tracking-wide">  
Product Details  
</h2>

<p class="text-base text-gray-600 leading-relaxed mt-2">  
This product is made with high quality materials.  
</p>

Heading → clean & strong

Paragraph → readable & soft

Overall → professional UI

<p class="leading-relaxed">  
This is line one  
This is line two

</p>

Line one

← thoda gap →

Line two

Class	Effect
leading-tight	lines chipki hui
leading-normal	default
leading-relaxed	readable
leading-loose	zyada airy

<h1 class="tracking-wide">HEADING</h1>

H E A D I N G

```
<form class="flex flex-col gap-4">
  <input
    type="text"
    placeholder="Name"
    class="border rounded-md p-2"
  />

  <input
    type="email"
    placeholder="Email"
    class="border rounded-md p-2"
  />

  <input
    type="password"
    placeholder="Password"
    class="border rounded-md p-2"
  />
</form>
```

[ Name ]  
↓ gap  
[ Email ]  
↓ gap

[ Password ]

Sab inputs line-wise (top → bottom)

👉 Har field ke beech equal gap

```
<div class="flex justify-center items-center min-h-screen">
  <form class="w-full max-w-sm bg-white p-6 rounded-xl shadow-md flex flex-col
gap-4">
    <h2 class="text-2xl font-semibold text-center">Register</h2>

    <input class="border rounded-md p-2" placeholder="Name" />
    <input class="border rounded-md p-2" placeholder="Email" />
    <input class="border rounded-md p-2" placeholder="Password" />

    <button class="bg-blue-600 text-white py-2 rounded-md">
      Register
    </button>
  </form>
</div>
```

Kaam	Tailwind
Line-wise	<code>flex flex-col</code>
Gap between fields	<code>gap-4</code>
Inside spacing	<code>p-2</code>
Clean look	<code>rounded-md</code> <code>shadow</code>

[ Name ]

↓ (gap-4)

[ Email ]

↓ (gap-4)

[ Password ]

```
<form class="flex flex-col gap-4">
  <input placeholder="Name" />
  <input placeholder="Email" />
  <input placeholder="Password" />
</form>
```

```
<div class="flex justify-center items-center">
```

Form ko screen ke centre me lana

Layout control (center)

```
<form class="flex flex-col gap-4">
```

puts ko line-by-line (top → bottom) rakhna

Unke beech gap dena

flex-direction: row;

👉 Items left → right

```
<div class="flex flex-col">
```

👉 Items top → bottom

```
<div class="flex gap-4">
```

```
  <input />
```

```
  <input />
```

```
</div>
```

[ Name ] [ Email ]

```
<div class="flex flex-col gap-4">
```

```
  [ Name ]
```



```
  [ Email ]
```

Class	Kaam
-------	------

flex	Flexbox ON
------	------------

flex-col	Upar → Niche
----------	--------------

flex-row	Left → Right
wrap	(default)

```
form class="flex flex-col gap-4">
```

Ye form ke andar ke fields ko arrange karta hai

flex-col ka matlab: inputs ko top → bottom line-wise rakhna

gap-4 = inputs ke beech proper spacing