

### Copy a List

```
RYB_color = ["Red", "Yellow", "Blue"]
```

#### Example 1

```
Copy_RYB = RYB_color.copy()
```

#### Example 2

```
Copy_RYB = list(RYB_color)
```

### Join Two Lists

```
RYB_color = ["Red", "Yellow", "Blue"]  
Second_color = ["Green", "Orange", "Purple"]
```

#### Example 1

```
RYB_Second = RYB_color.extend(Second_color)
```

#### Example 2

```
RYB_Second = RYB_color + Second_color
```

### The list() Constructor

```
RYB_color = list(("Red", "Yellow", "Blue"))
```

### Tuple

A tuple is a collection which is ordered and unchangeable. In Python tuples are written with round brackets.

### Tuple Example

```
RYB_color = ("Red", "Yellow", "Blue")  
print(RYB_color)  
>>> ('Red', 'Yellow', 'Blue')
```

### Access Tuple Items

Same as access list items. Please check "Access list items" in "Python Lists - Part I" cheat sheet.

### Change Tuple Values

Since tuples are unchangeable, then we cannot change any value. But, we can convert a tuple to a list, change the values that we want within the list and convert the list back into a tuple.

#### Example

```
`RYB_color = ("Red", "Yellow", "Blue")  
L = list(RYB_color)  
L[0] = "Magenta"  
RYB_color = tuple(L)
```

### Check if Item Exists

Same as checking item within a list. Please check "Check if Item Exists" in "Python Lists - Part I" cheat sheet.

### Tuple Length

Same as list length. Please check "List Length" in "Python Lists - Part I" cheat sheet.

### Add Items

Once a tuple is created, we cannot add items to it. Tuples are unchangeable.

### Create Tuple With One Item

To create a tuple with only one item, we have to add a comma after the item, unless Python will not recognize the variable as a tuple.

```
Color = ("White",)
```

### Remove Items

Tuples are unchangeable, so we cannot remove items from it, but we can delete the tuple completely.

```
RYB_color = ("Red", "Yellow", "Blue")  
del RYB_color
```

### Join Two Tuples

```
RYB_color = ("Red", "Yellow", "Blue")  
Second_color = ("Orange", "Green", "Purple")  
  
RYB_Second = RYB_color + Second_color
```

### The tuple() Constructor

```
RYB_color = tuple(("Red", "Yellow", "Blue"))
```



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