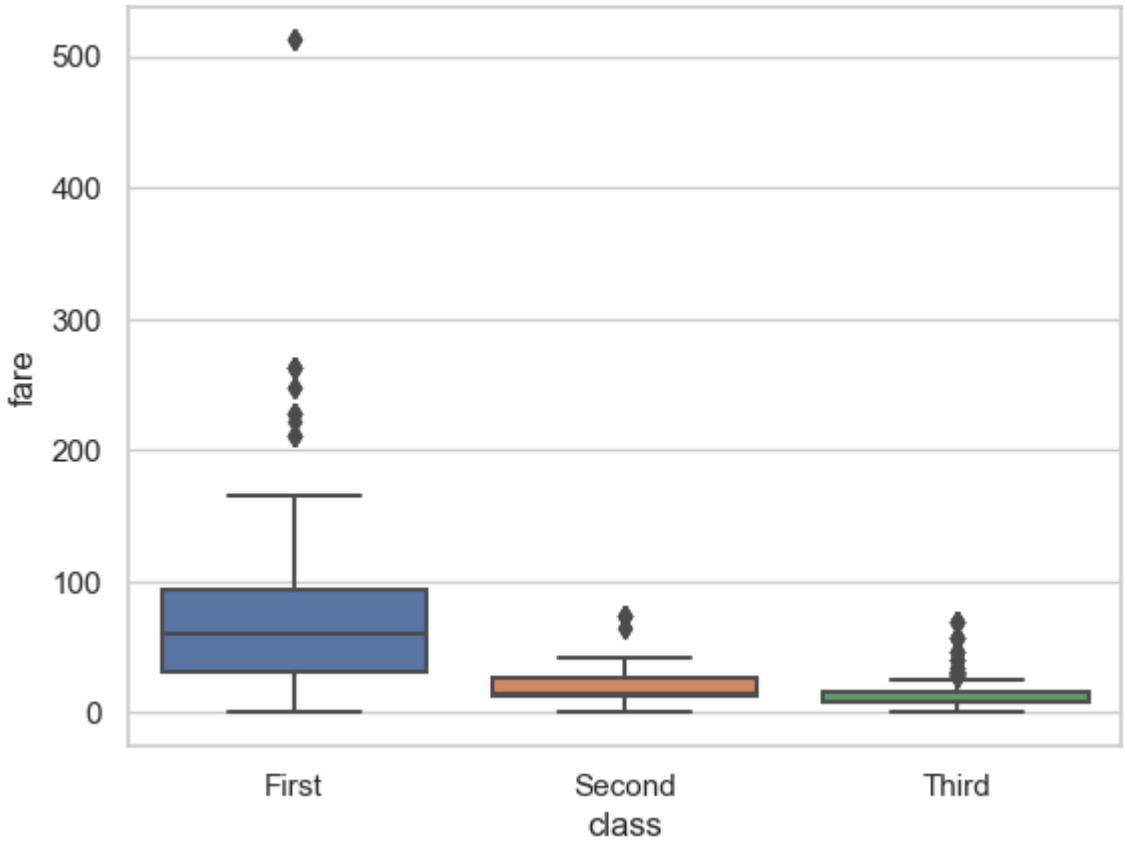
In [1]:
```
# import library
import seaborn as sns
# canvas(balloon board)
sns.set(style="whitegrid")

kashti=sns.load_dataset("titanic")
sns.boxplot(x="class", y="fare", data=kashti)
```

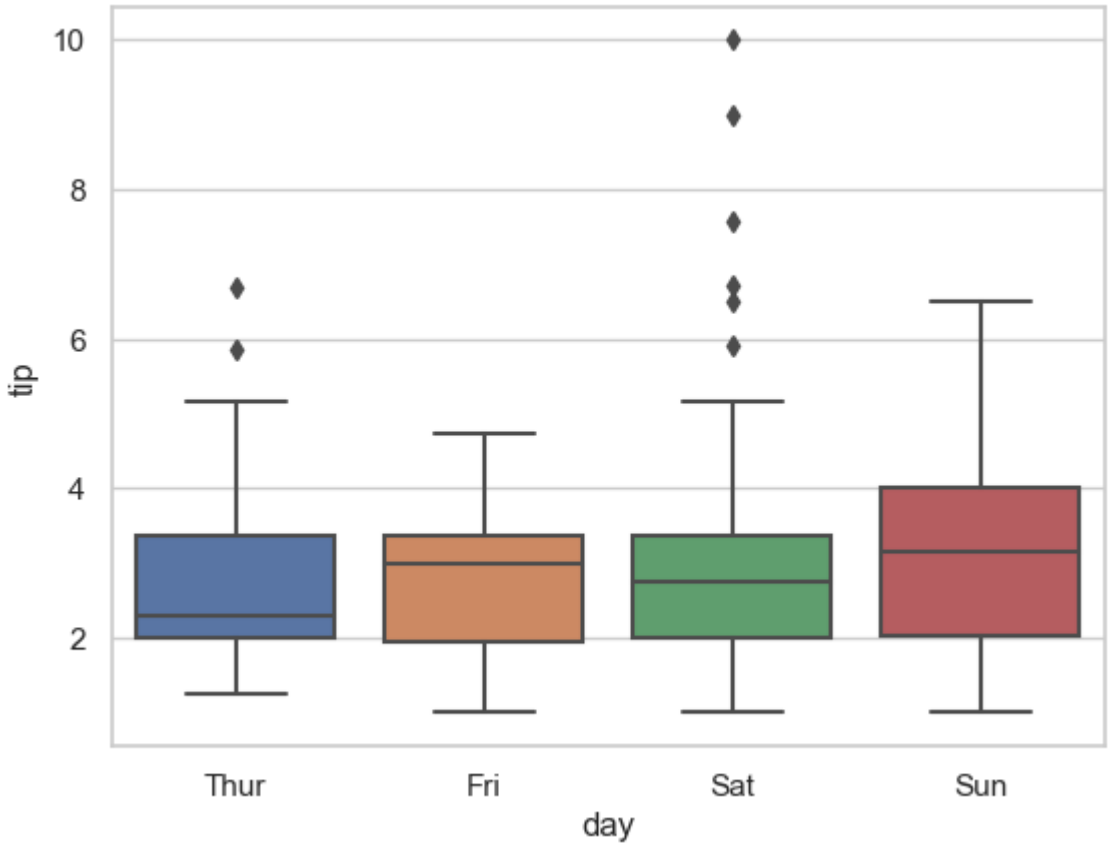
Out[1]:
```
<Axes: xlabel='class', ylabel='fare'>
```



In [2]:
```
import seaborn as sns

tip=sns.load_dataset("tips")
tip
sns.boxplot(x="day",y="tip", data=tip)
```

Out[2]:
```
<Axes: xlabel='day', ylabel='tip'>
```



- HEAD

In [3]:
```
import seaborn as sns
import pandas as pd
import numpy as np

kashti= sns.load_dataset("titanic")
kashti.head()
```

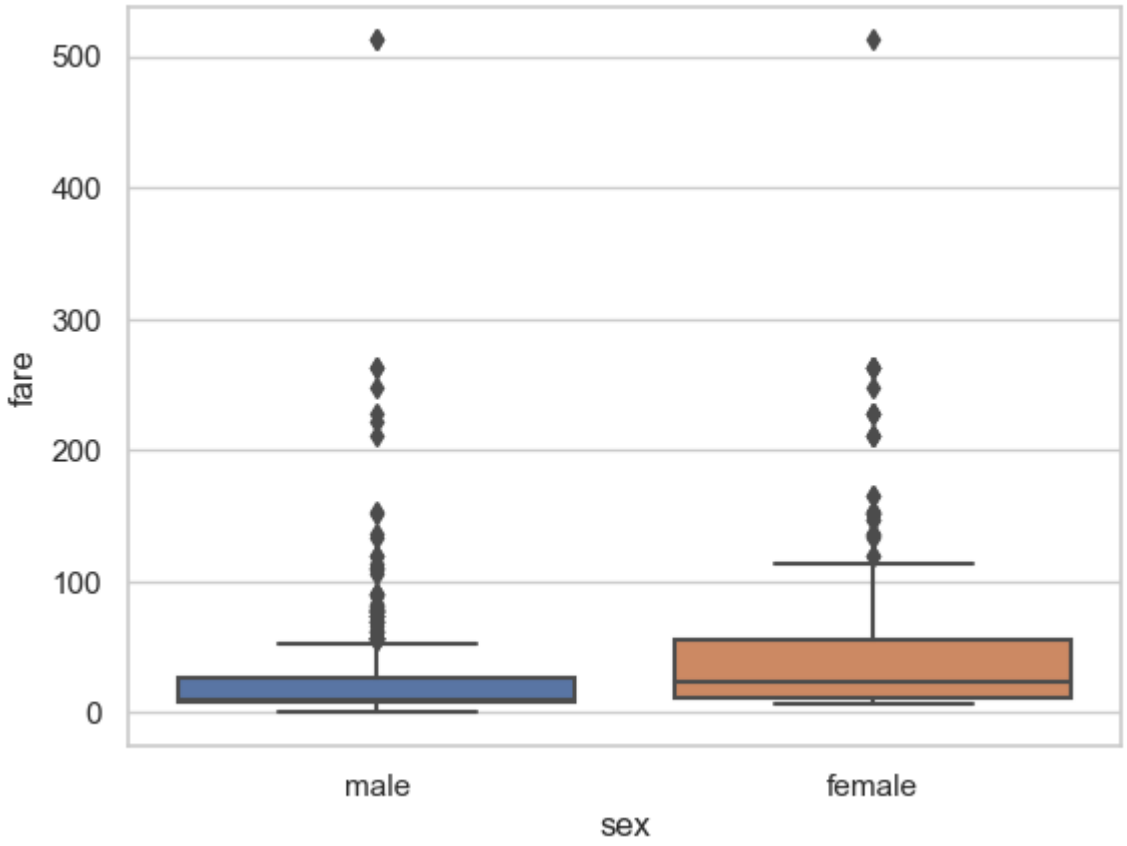
Out[3]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN

In [4]:
```
import seaborn as sns
import pandas as pd
import numpy as np

kashti=sns.load_dataset("titanic")
sns.boxplot(x="sex", y="fare", data=kashti)
```

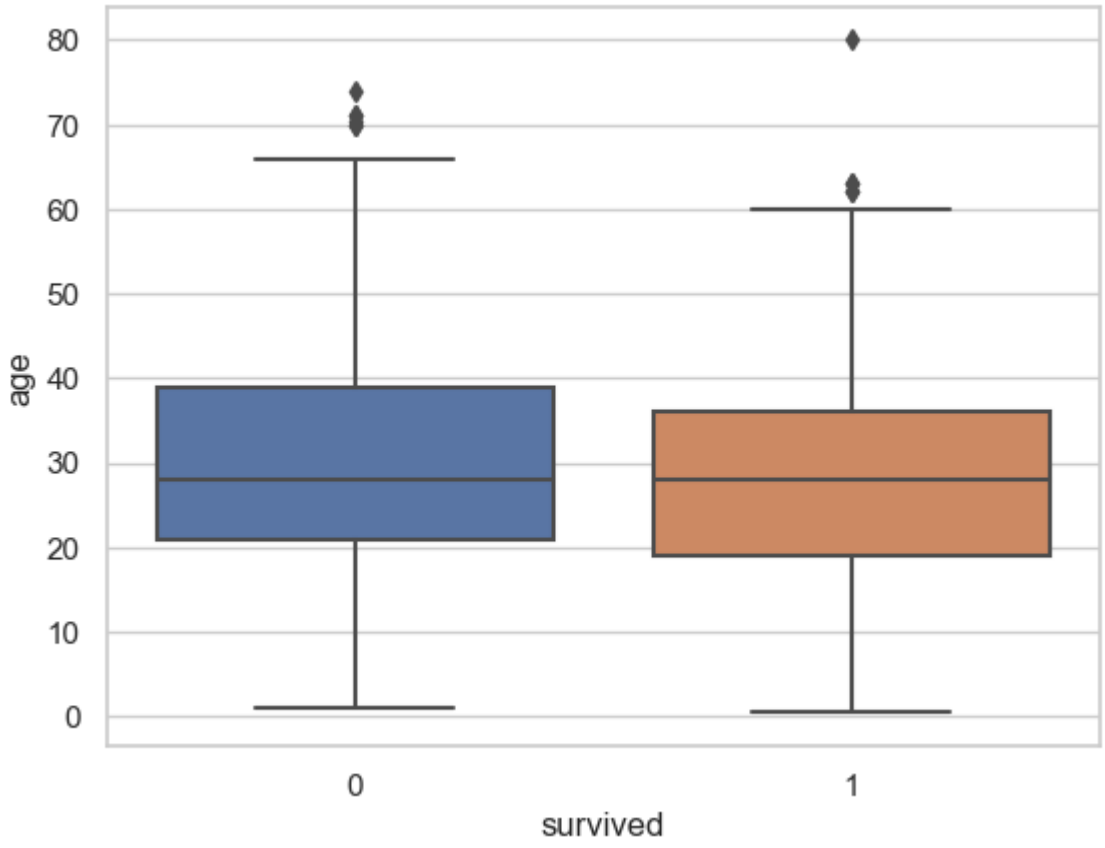
Out[4]:
```
<Axes: xlabel='sex', ylabel='fare'>
```



In [5]:
```
import seaborn as sns
import pandas as pd
import numpy as np

kashti=sns.load_dataset("titanic")
# sns.boxplot(x="sex", y="fare", data=kashti)
sns.boxplot(x="survived", y="age", data=kashti)
```

Out[5]:
```
<Axes: xlabel='survived', ylabel='age'>
```

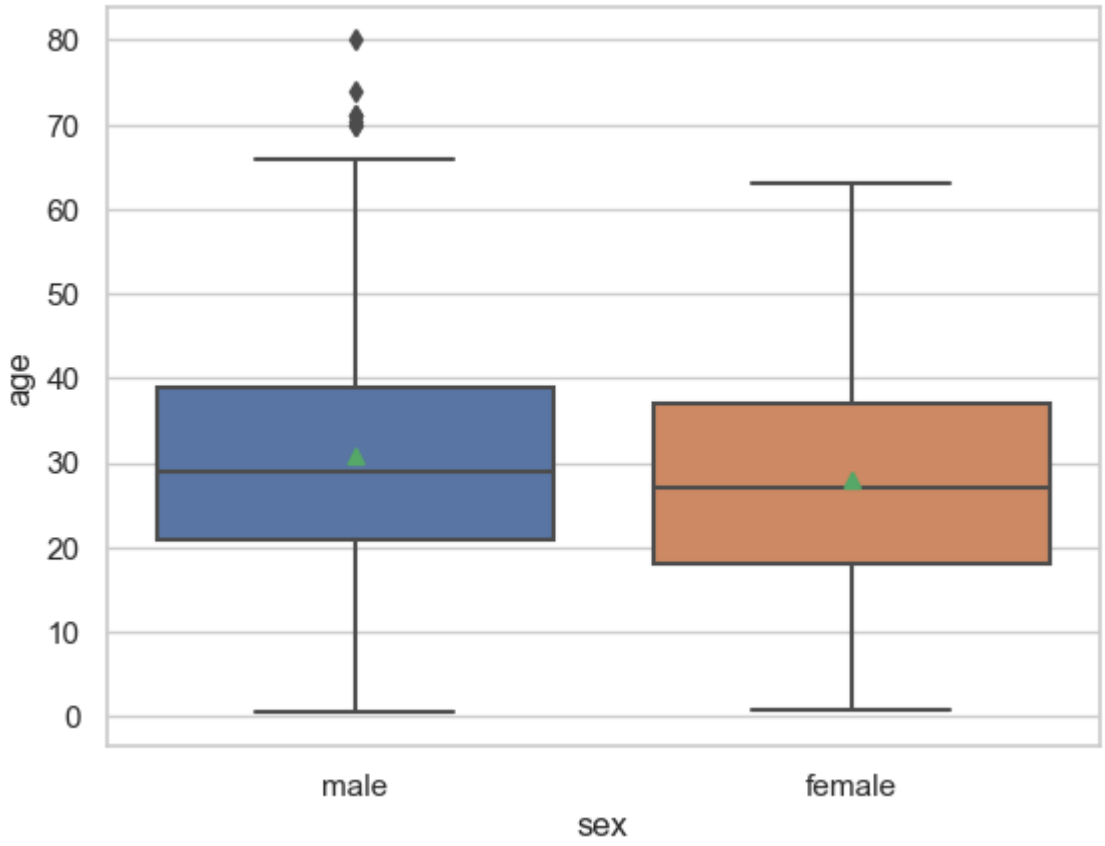


blue right side area is called intercortial range center is called median standing thing is called maximum non out layer data lower standing is called non out layer data black mota dot dot is called outlayers

Show means

In [6]:
```
sns.boxplot(x="sex", y="age", data=kashti, showmeans=True)
# import matplotlib.pyplot as plt
# plt.show()
```

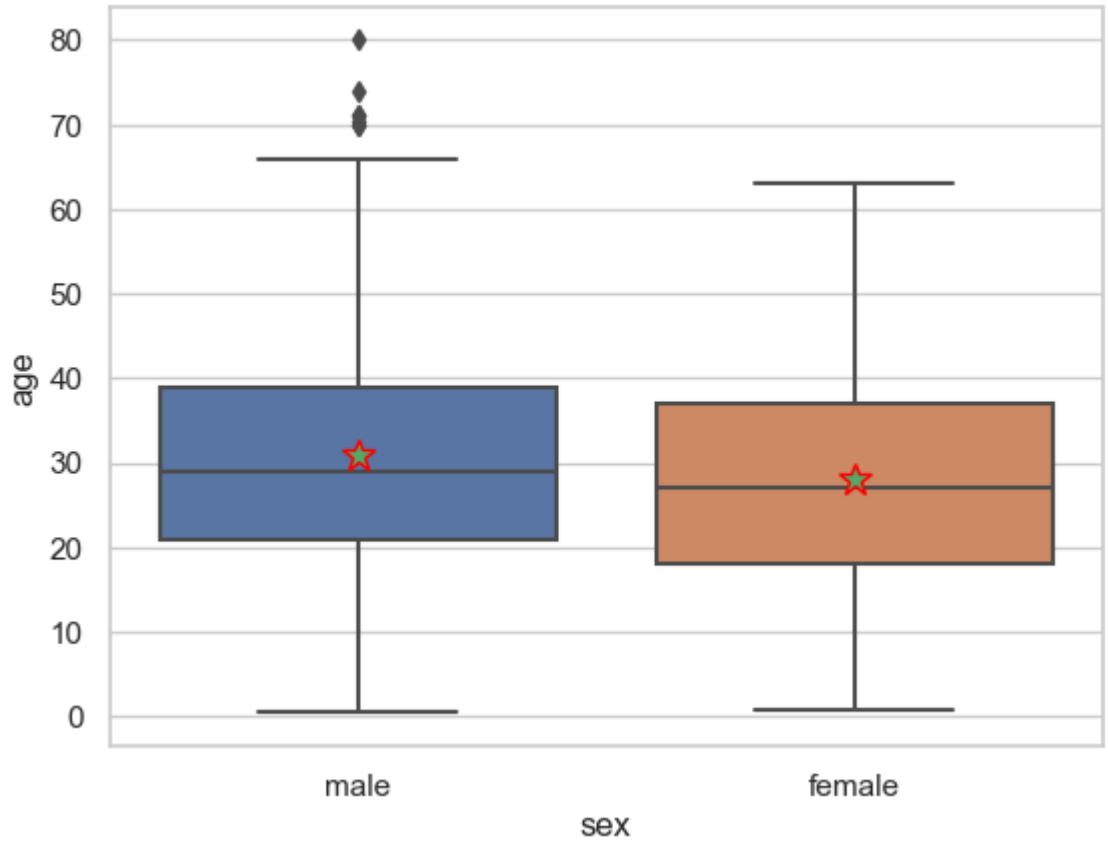
Out[6]:
```
<Axes: xlabel='sex', ylabel='age'>
```



change the color,size and different marks of mean

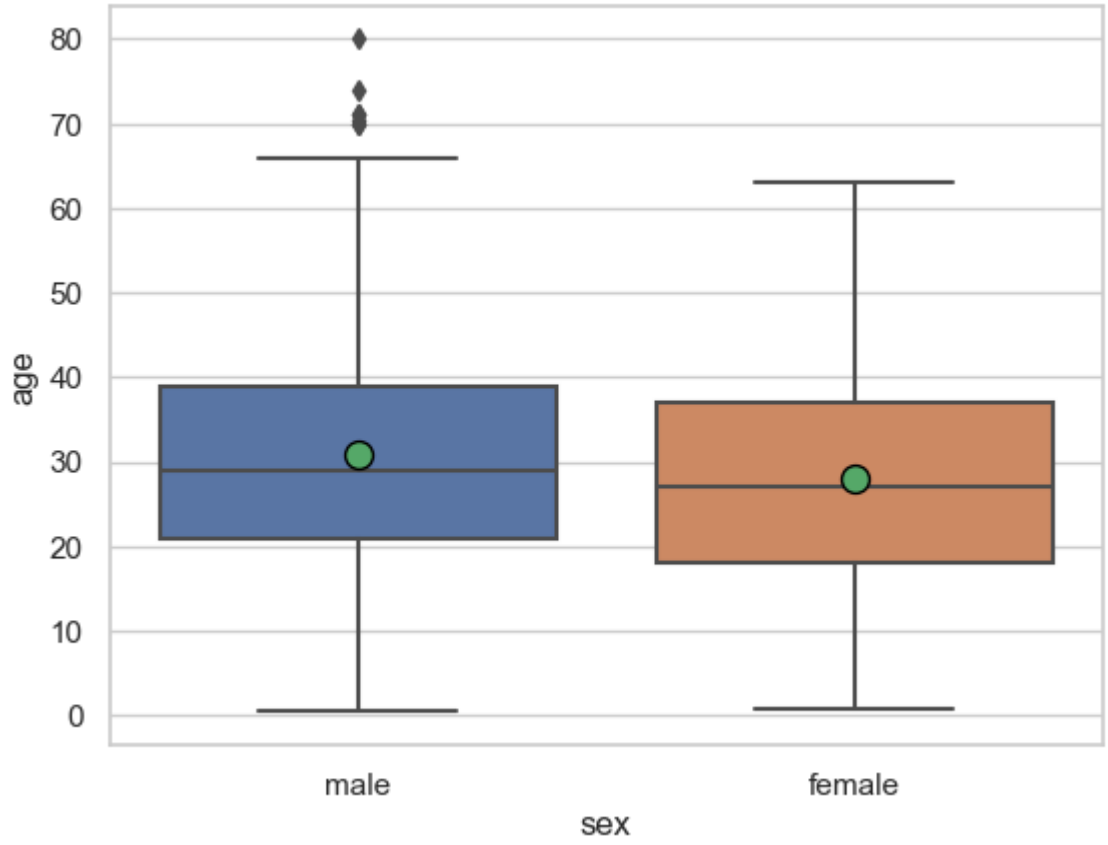
In [7]:
```
sns.boxplot(x="sex", y="age", data=kashti, showmeans=True,
            meanprops={"marker":"*", "markersize":"12",
                       "markeredgecolor":"red"})
```

Out[7]:
```
<Axes: xlabel='sex', ylabel='age'>
```



In [8]:
```
sns.boxplot(x="sex", y="age", data=kashti, showmeans=True,
            meanprops={"marker":".", "markeredgecolor":"black", "markersize":"20"})
```

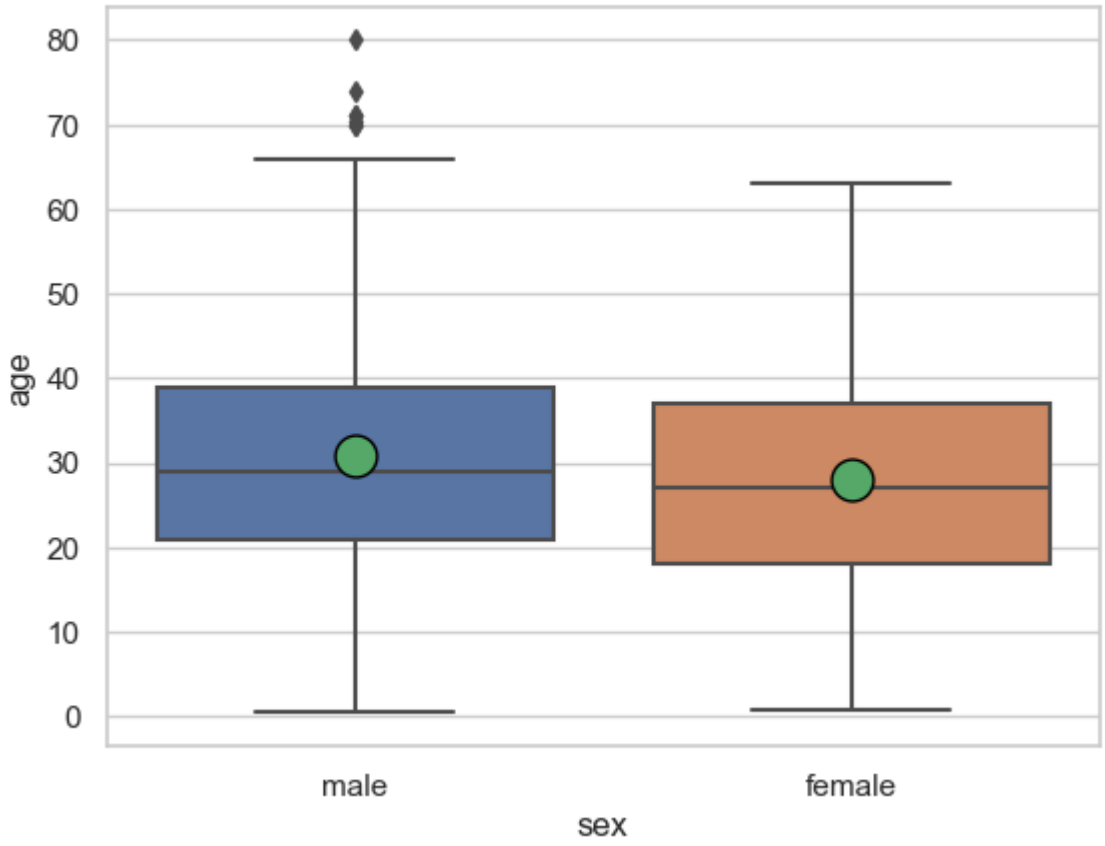
Out[8]:
```
<Axes: xlabel='sex', ylabel='age'>
```



Marker means

In [9]:
```
sns.boxplot(x="sex", y="age", data=kashti, showmeans=True,
            meanprops={"marker":".", "markeredgecolor":"black",
                       "markersize":"30", })
```

Out[9]:
```
<Axes: xlabel='sex', ylabel='age'>
```

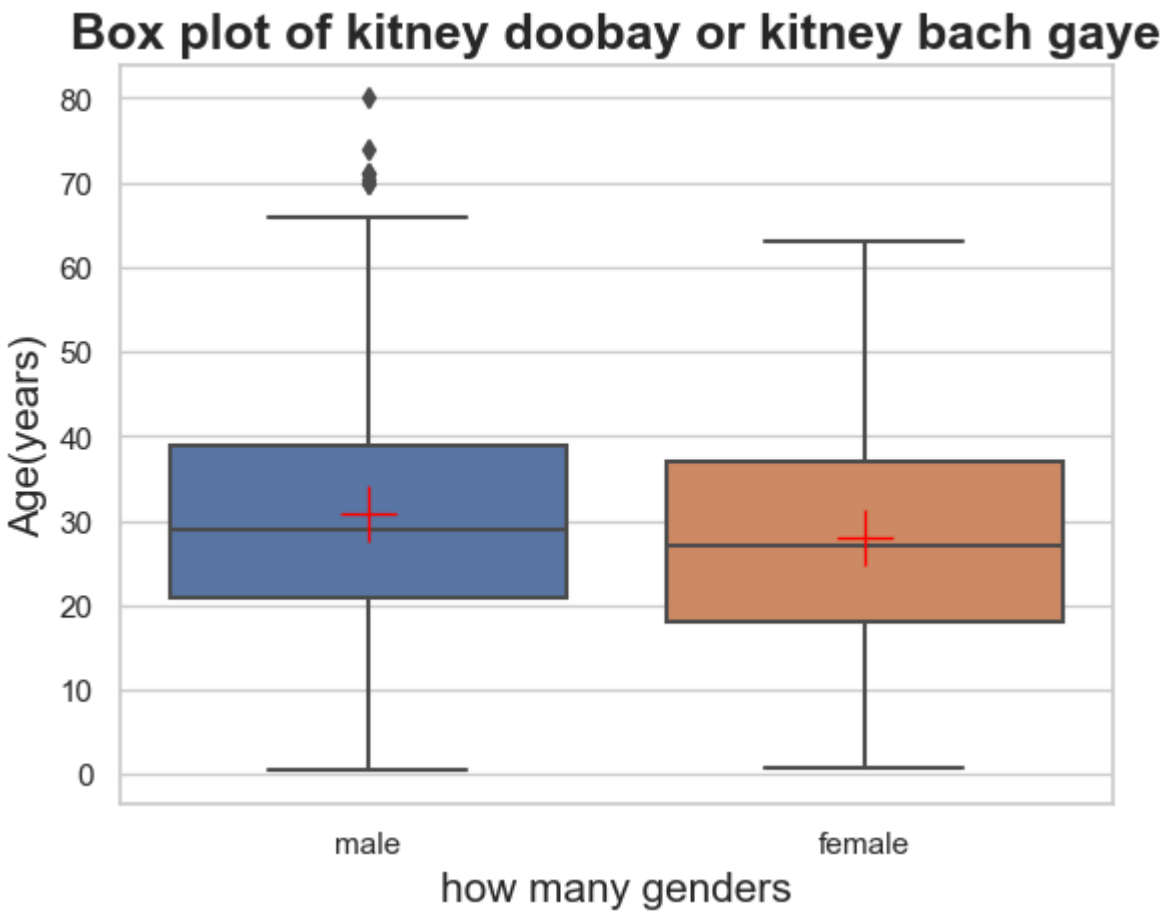


Show Labels, bold, size, xlabels, ylables

In [10]:
```
import seaborn as sns
import matplotlib.pyplot as plt
import pandas as pd
import numpy as np

kashti=sns.load_dataset("titanic")
sns.boxplot(x="sex", y="age", data=kashti,
            showmeans=True, meanprops={
                "marker":"+",
                "markersize":"20",
                "markeredgecolor":"red"})
# show labels

plt.xlabel("how many genders", size="15")
plt.ylabel("Age(years)", size="15")
plt.title("Box plot of kitney doobay or kitney bach gaye", size="18",weight="bold")
plt.show()
```



In [11]:
```
# facet wrap and facet grid??? assigment
```