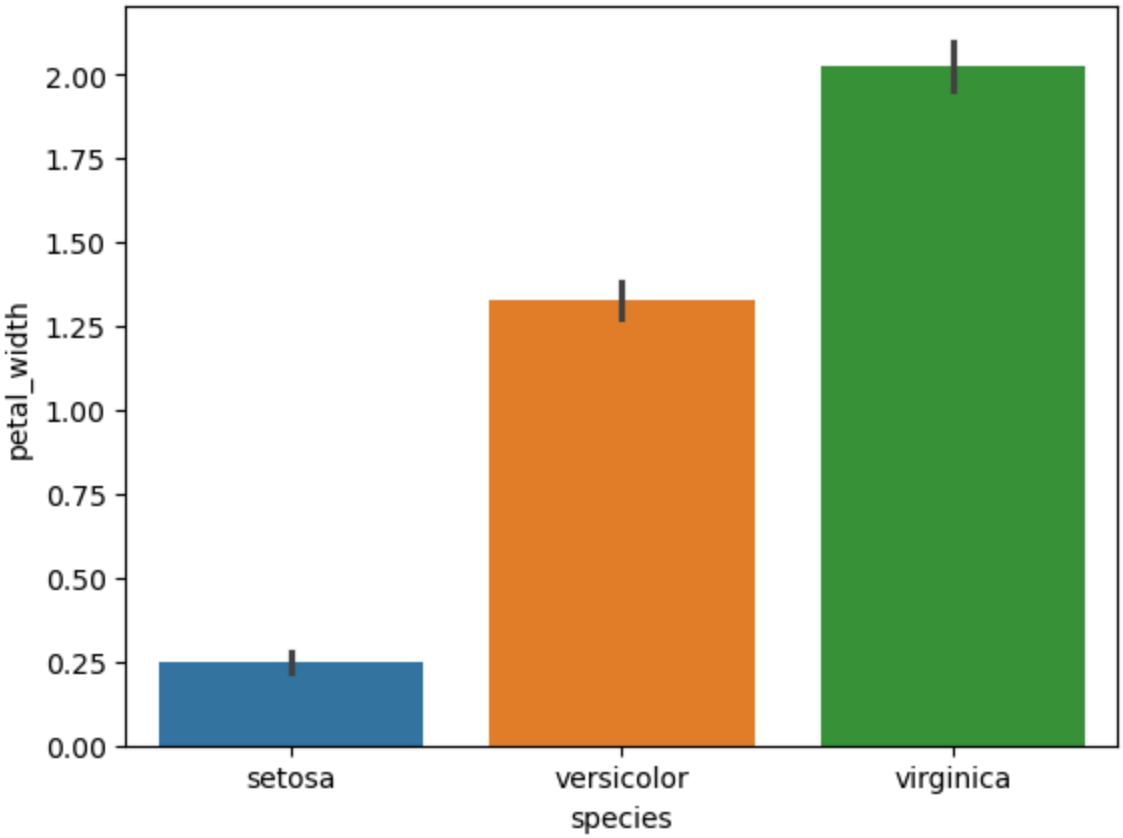
# Bar plot

In [2]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# sns.set_theme(style = "ticks", color_codes = True)

# load dataset
phool = sns.load_dataset("iris")
phool

# draw lineplot
sns.barplot(x = "species", y = "petal_width", data = phool, hue = "species")
plt.show()
```




In [3]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
```

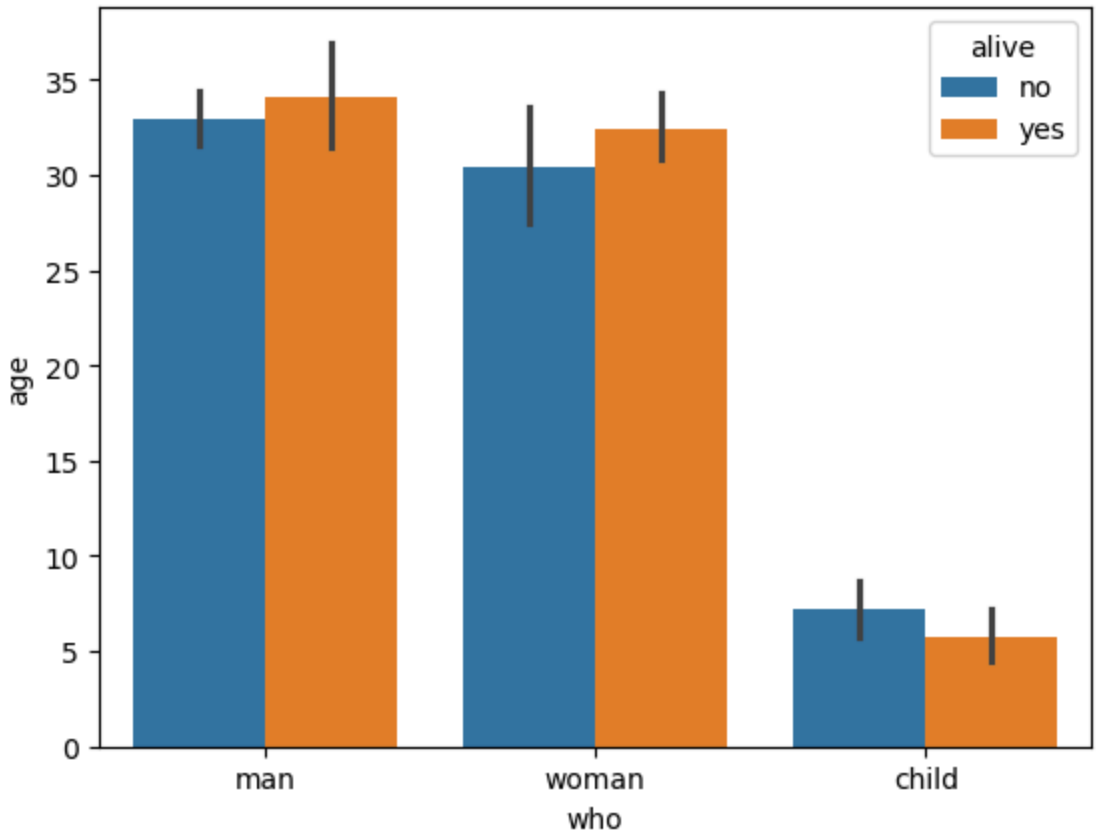
Out[3]:

| | survived | pclass | sex | age | sibsp | parch | fare | embarked | class | who | ad |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **0** | 0 | 3 | male | 22.0 | 1 | 0 | 7.2500 | S | Third | man | |
| **1** | 1 | 1 | female | 38.0 | 1 | 0 | 71.2833 | C | First | woman | |
| **2** | 1 | 3 | female | 26.0 | 0 | 0 | 7.9250 | S | Third | woman | |
| **3** | 1 | 1 | female | 35.0 | 1 | 0 | 53.1000 | S | First | woman | |
| **4** | 0 | 3 | male | 35.0 | 0 | 0 | 8.0500 | S | Third | man | |
| **...** | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| **886** | 0 | 2 | male | 27.0 | 0 | 0 | 13.0000 | S | Second | man | |
| **887** | 1 | 1 | female | 19.0 | 0 | 0 | 30.0000 | S | First | woman | |
| **888** | 0 | 3 | female | NaN | 1 | 2 | 23.4500 | S | Third | woman | |
| **889** | 1 | 1 | male | 26.0 | 0 | 0 | 30.0000 | C | First | man | |
| **890** | 0 | 3 | male | 32.0 | 0 | 0 | 7.7500 | Q | Third | man | |

891 rows × 15 columns

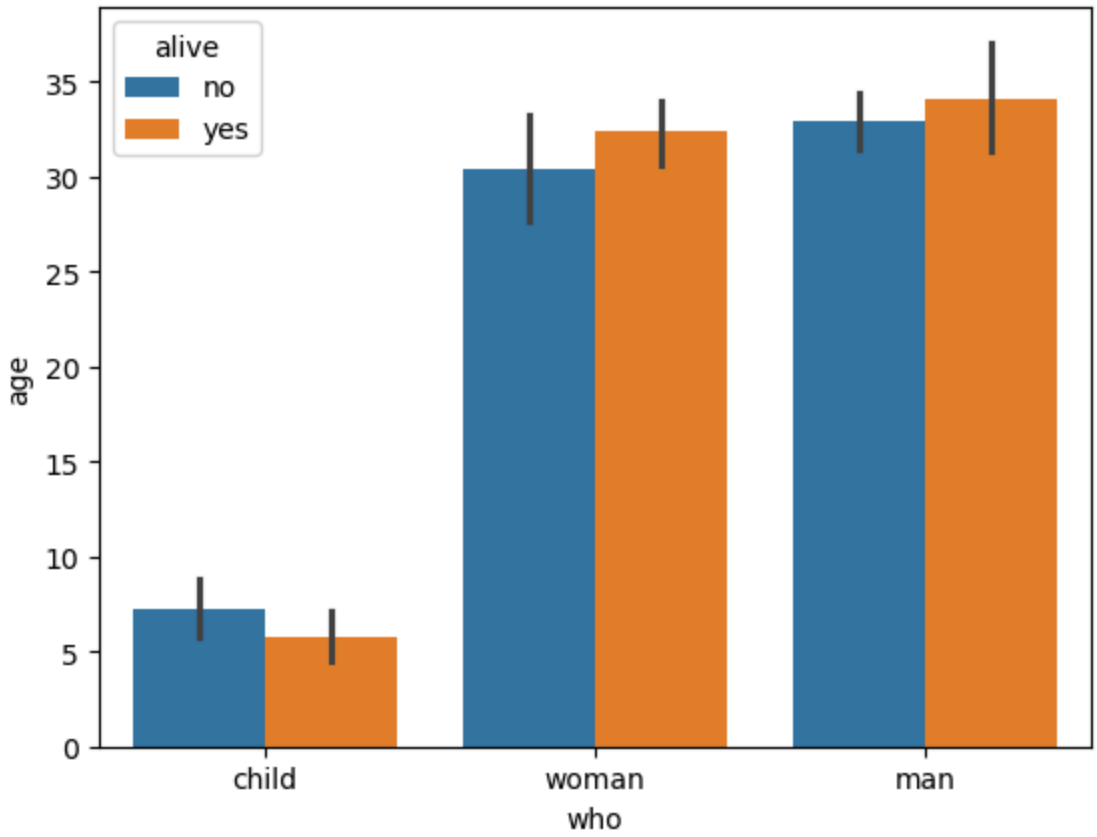
In [4]:

```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw lineplot
sns.barplot(x = "who", y = "age", data = kashti, hue = "alive")
plt.show()
```



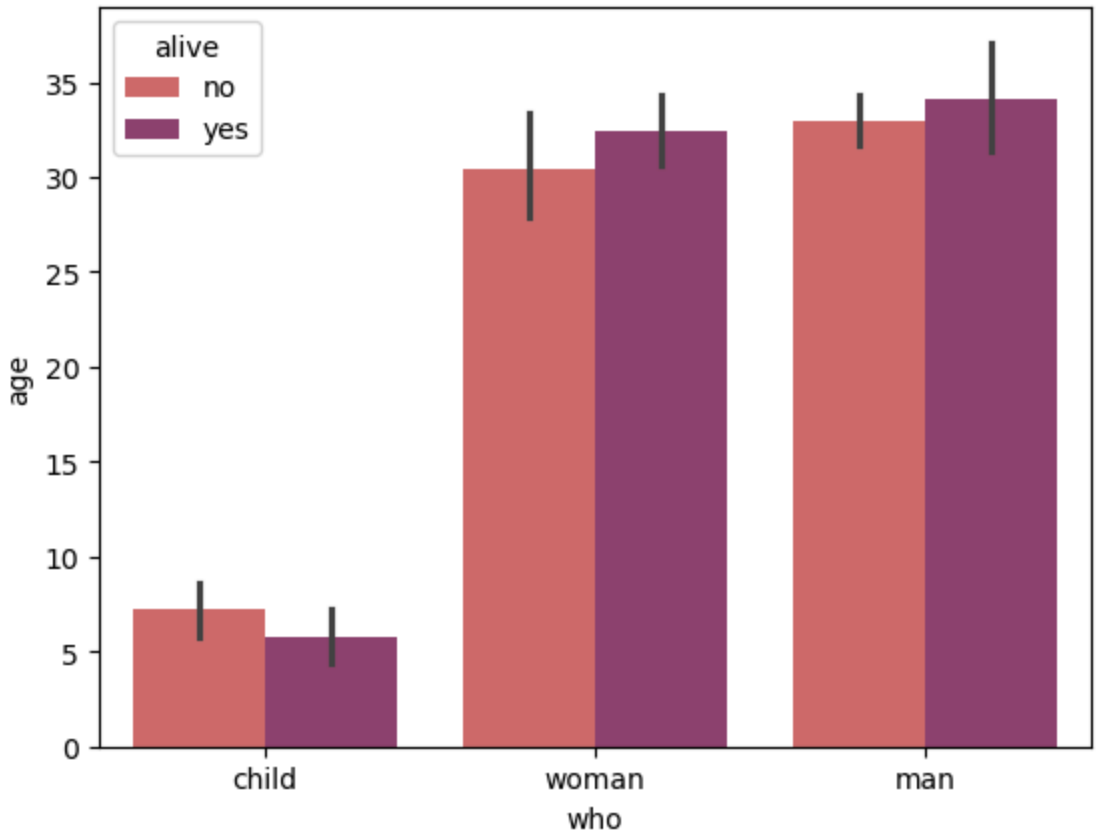

## Changing order

In [6]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti
# draw lineplot
sns.barplot(x = "who", y = "age", data = kashti, hue = "alive", order = ["child", "
plt.show()
```



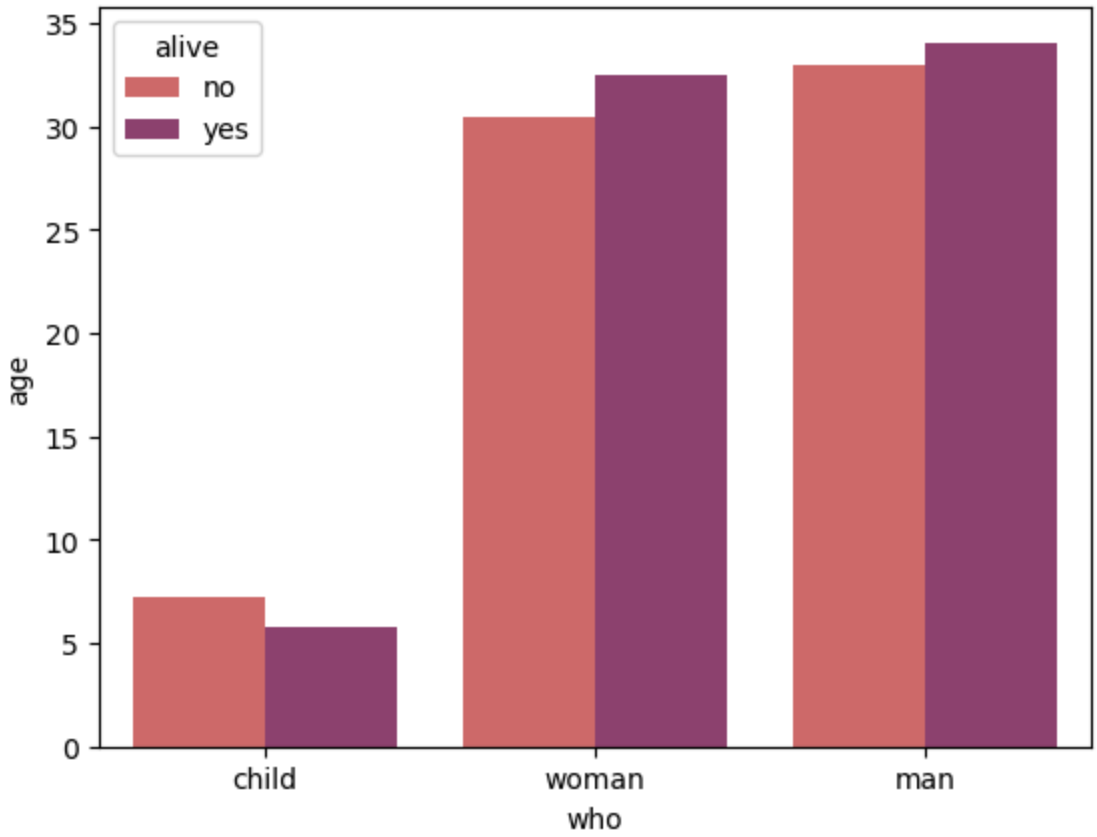

## Changing color

In [8]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti

# draw lineplot
sns.barplot(x = "who", y = "age", data = kashti, hue = "alive", order = ["child", "
plt.show()
```



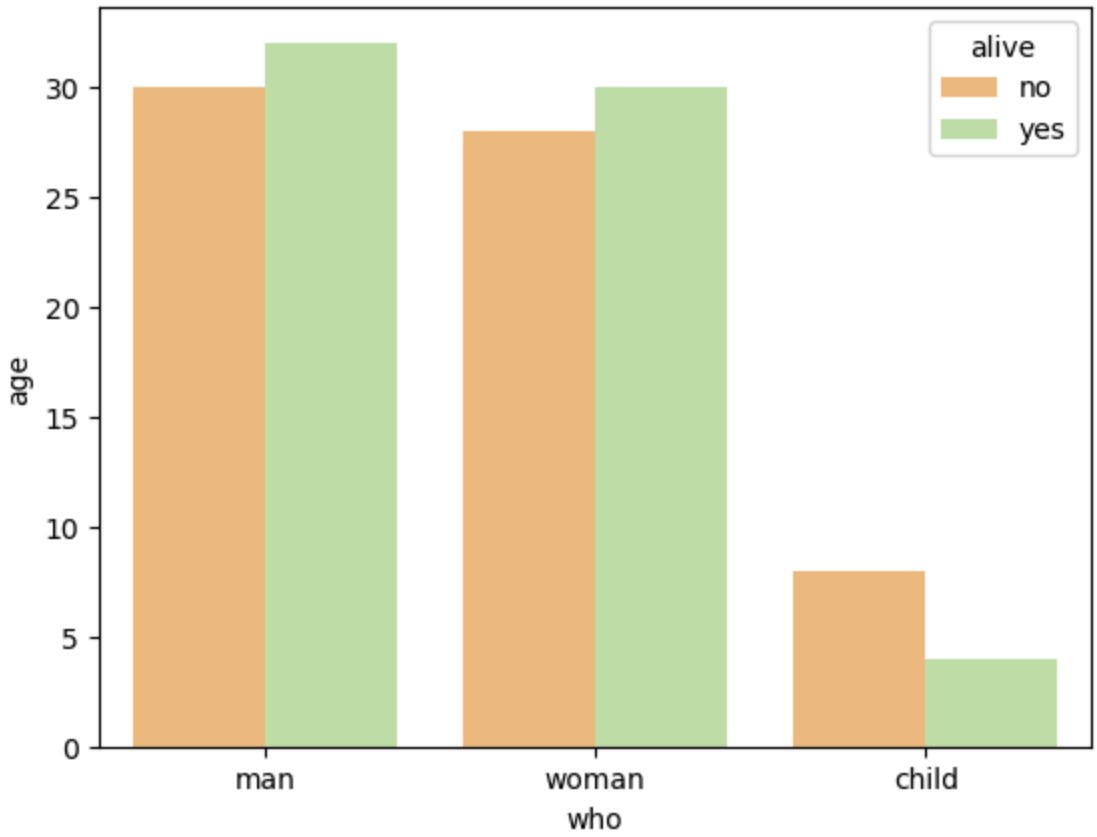

## Removing error bars

In [10]:
```
# import libraries
import seaborn as sns
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti

# draw lineplot
sns.barplot(x = "who", y = "age", data = kashti, hue = "alive", order = ["child", "
plt.show()
```



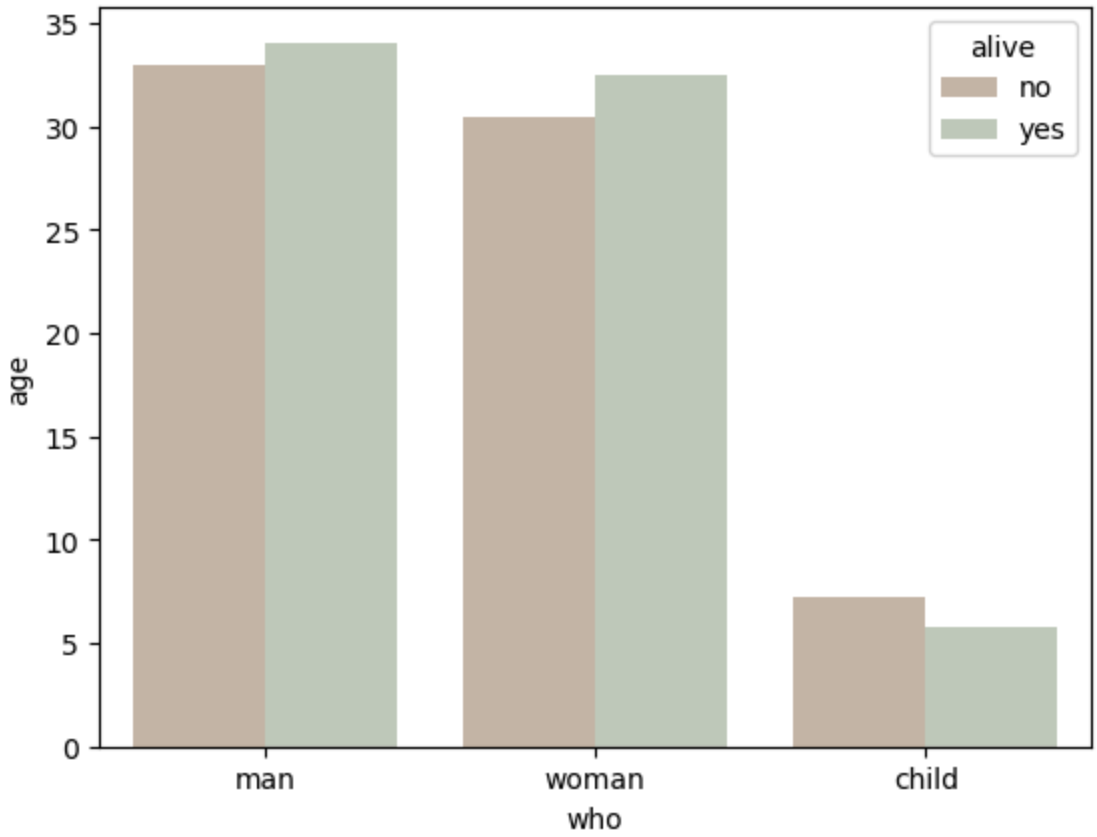

## Calculating mean/median

In [12]:
```
# import libraries
import seaborn as sns
from numpy import mean, median
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti

# draw lineplot
sns.barplot(x = "who", y = "age", data = kashti, hue = "alive", palette = "Spectral
plt.show()
```



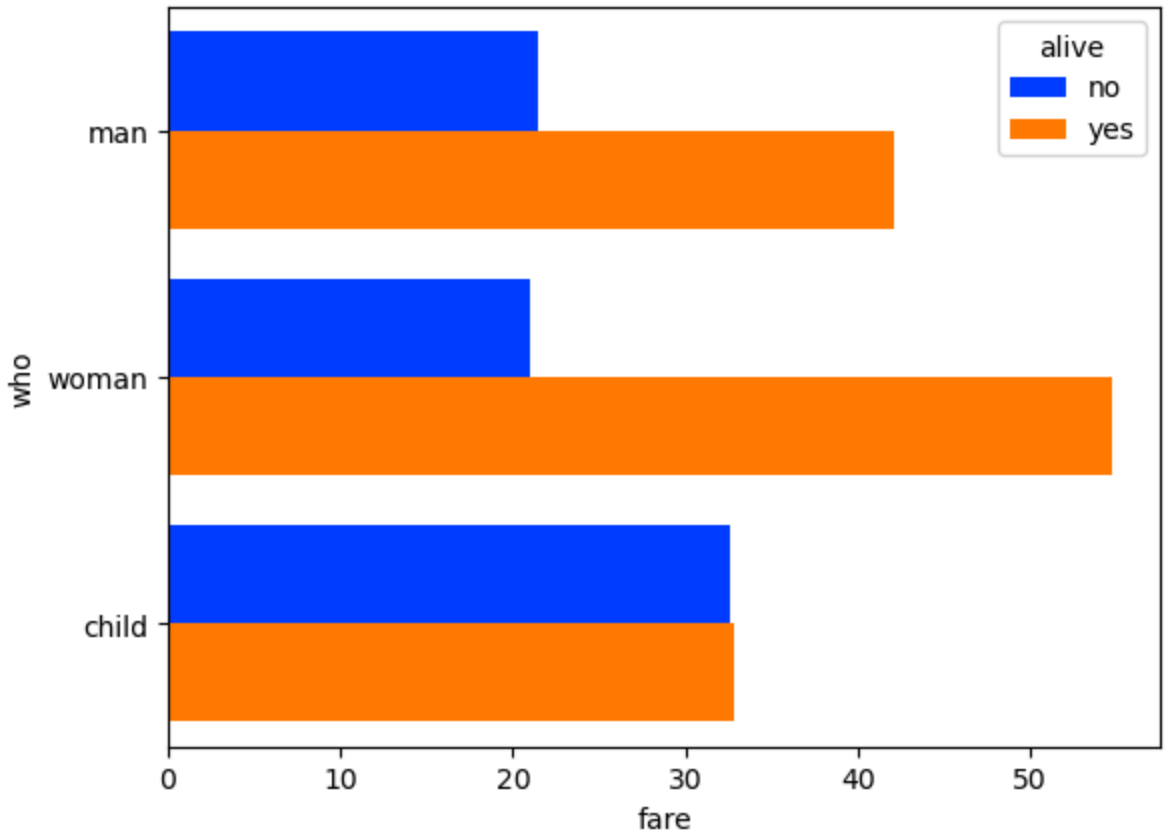

## Saturation

In [14]:
```
# import libraries
import seaborn as sns
from numpy import mean, median
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti

# draw lineplot
sns.barplot(x = "who", y = "age", data = kashti, hue = "alive", palette = "Spectral
plt.show()
```




## Horizontal Plot

In [16]:
```
# import libraries
import seaborn as sns
from numpy import mean, median
import matplotlib.pyplot as plt

# load dataset
kashti = sns.load_dataset("titanic")
kashti

# draw lineplot
sns.barplot(x = "fare", y = "who", data = kashti, hue = "alive", palette = "bright"
plt.show()
```


alive
no
yes
man
woman
child
who
0
10
20
30
40
50
fare