In [1]:
```
import pandas as pd
import numpy as np
```

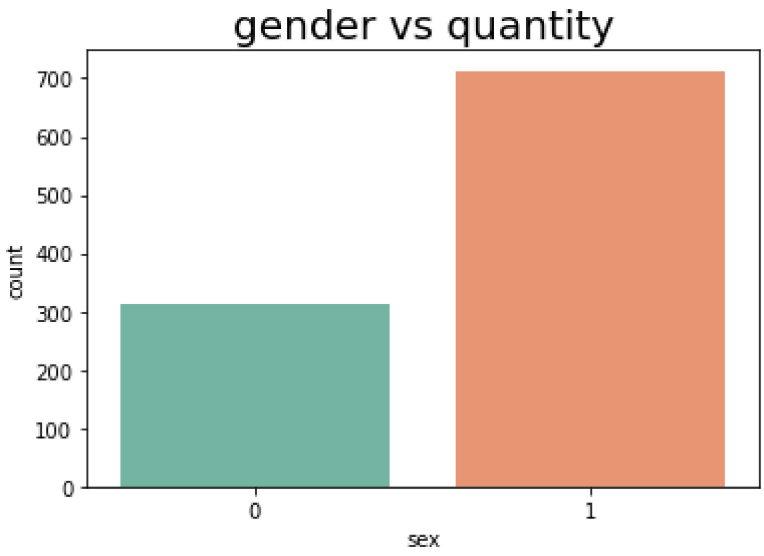
In [2]:
```
heart_data=pd.read_csv("C:/Users/hasif/Downloads/heart.csv")
print(heart_data)
```

```
      age  sex  cp  trestbps  chol  fbs  restecg  thalach  exang  oldpeak  \
0      52    1   0       125   212    0        1      168      0      1.0
1      53    1   0       140   203    1        0      155      1      3.1
2      70    1   0       145   174    0        1      125      1      2.6
3      61    1   0       148   203    0        1      161      0      0.0
4      62    0   0       138   294    1        1      106      0      1.9
...   ...  ...  ..       ...   ...  ...      ...      ...    ...      ...
1020   59    1   1       140   221    0        1      164      1      0.0
1021   60    1   0       125   258    0        0      141      1      2.8
1022   47    1   0       110   275    0        0      118      1      1.0
1023   50    0   0       110   254    0        0      159      0      0.0
1024   54    1   0       120   188    0        1      113      0      1.4

      slope  ca  thal  target
0         2   2     3       0
1         0   0     3       0
2         0   0     3       0
3         2   1     3       0
4         1   3     2       0
...     ...  ..   ...     ...
1020      2   0     2       1
1021      1   1     3       0
1022      1   1     2       0
1023      2   0     2       1
1024      1   1     3       0

[1025 rows x 14 columns]
```

In [3]:
```
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline
```

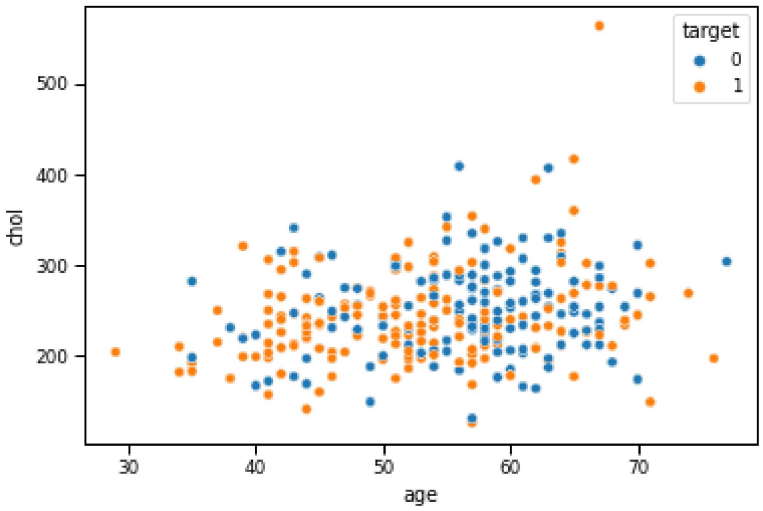
In [4]:
```
sns.countplot(heart_data['sex'],palette='Set2')
plt.title('gender vs quantity',fontsize=20)
plt.show()
```

```
E:\anaconda\lib\site-packages\seaborn\_decorators.py:36: FutureWarning: Pass the followi
ng variable as a keyword arg: x. From version 0.12, the only valid positional argument w
ill be `data`, and passing other arguments without an explicit keyword will result in an
error or misinterpretation.
  warnings.warn(
```



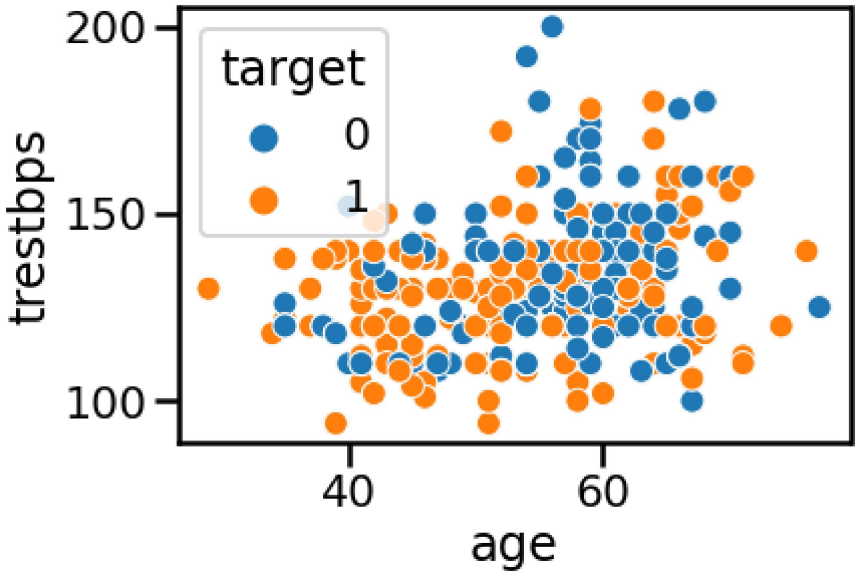
In [5]:
```
sns.set_context("paper")
sns.scatterplot(x='age',y='chol',data=heart_data,hue='target')
```

Out[5]:
```
<AxesSubplot:xlabel='age', ylabel='chol'>
```



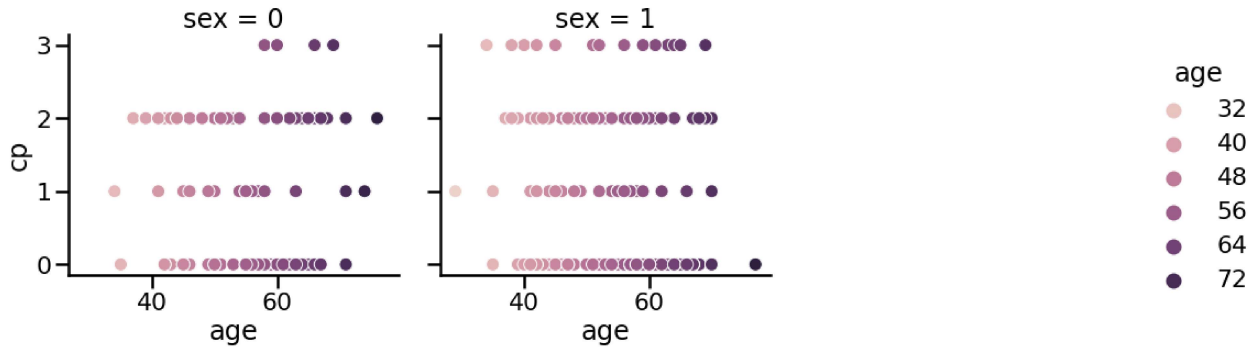
In [6]:
```
sns.set_context("poster")
sns.scatterplot(x='age',y='trestbps',data=heart_data,hue='target')
```

Out[6]:
```
<AxesSubplot:xlabel='age', ylabel='trestbps'>
```

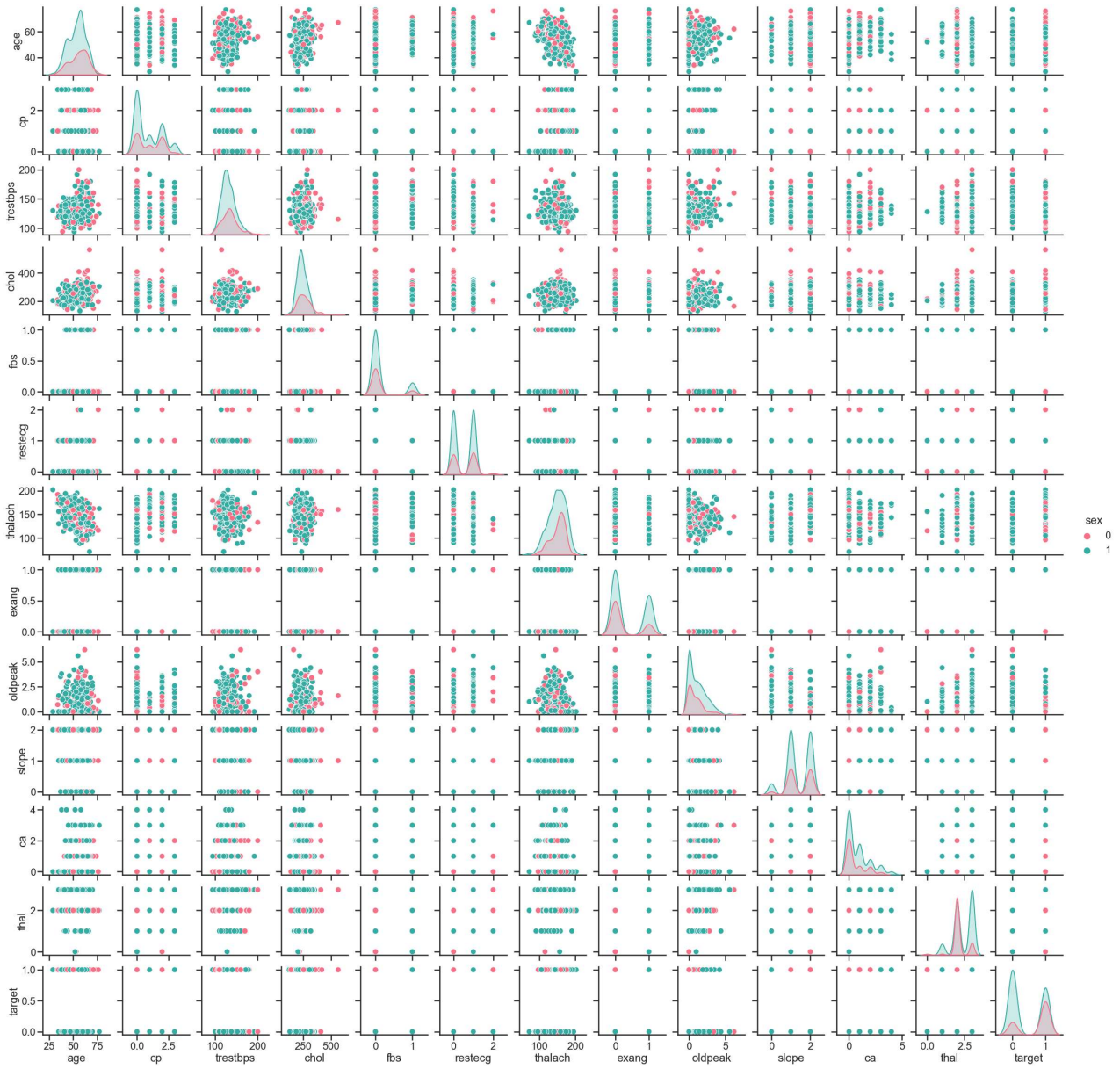


In [7]:
```
sns.set_context('poster')
sns.relplot(data=heart_data,x='age',y='cp',hue='age',col='sex',col_wrap=3)
```

Out[7]:
```
<seaborn.axisgrid.FacetGrid at 0x24d94957a30>
```

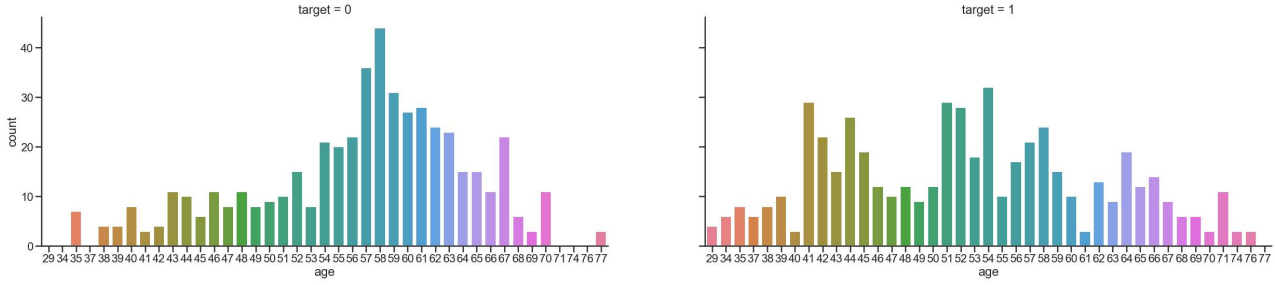


In [8]:
```
sns.set_style('ticks')
sns.pairplot(heart_data,hue='sex',diag_kind='kde',kind='scatter',palette='husl')
plt.show()
```



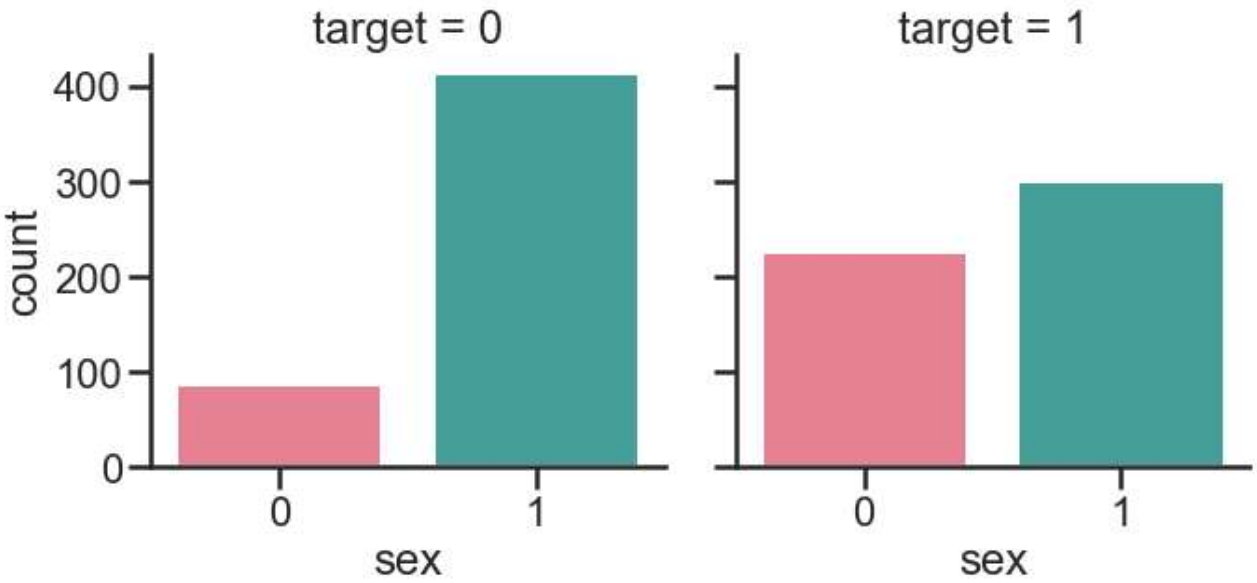
In [9]:

```
sns.set_context('poster')
sns.catplot(x='age',col='target',data=heart_data,kind='count',palette='husl')
plt.gcf().set_size_inches(40,10)
plt.show()
```



In [10]:

```
sns.catplot(x='sex',col='target',data=heart_data,kind='count',palette='husl')
plt.show()
```



In [ ]: