In [4]:
```python
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns


train = pd.read_csv("train.csv")
train.head()

plt.figure(figsize=(8,5))
sns.histplot(train['Age'].dropna(), bins=30, kde=True, color='skyblue')
plt.title('Age Distribution')
plt.xlabel('Age')
plt.ylabel('Count')

plt.show()
```
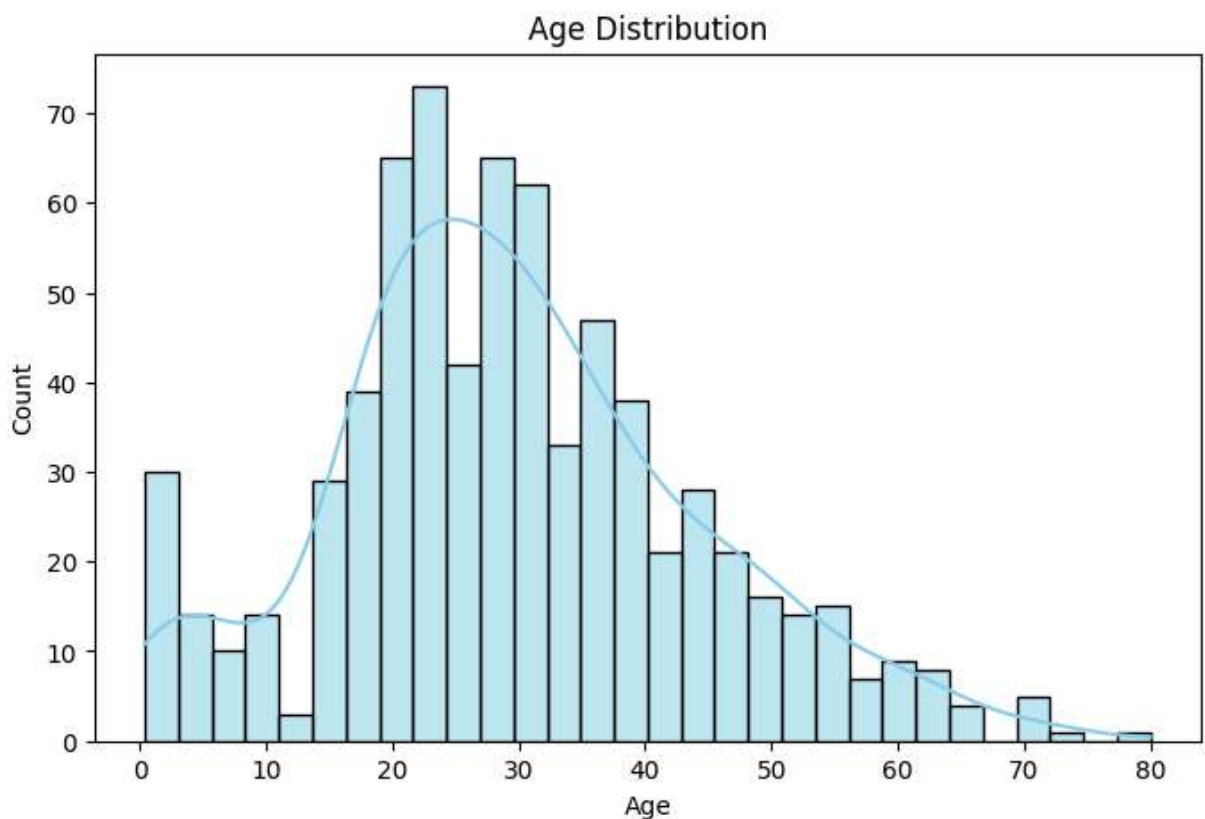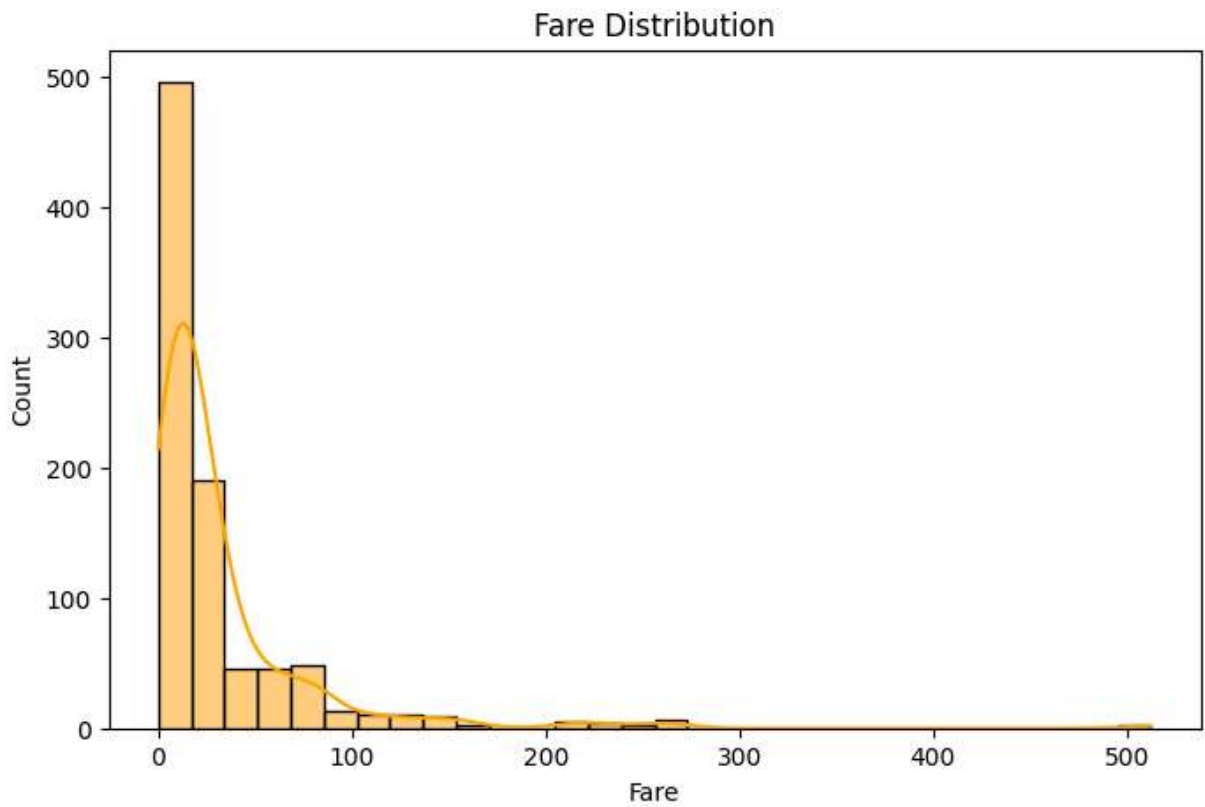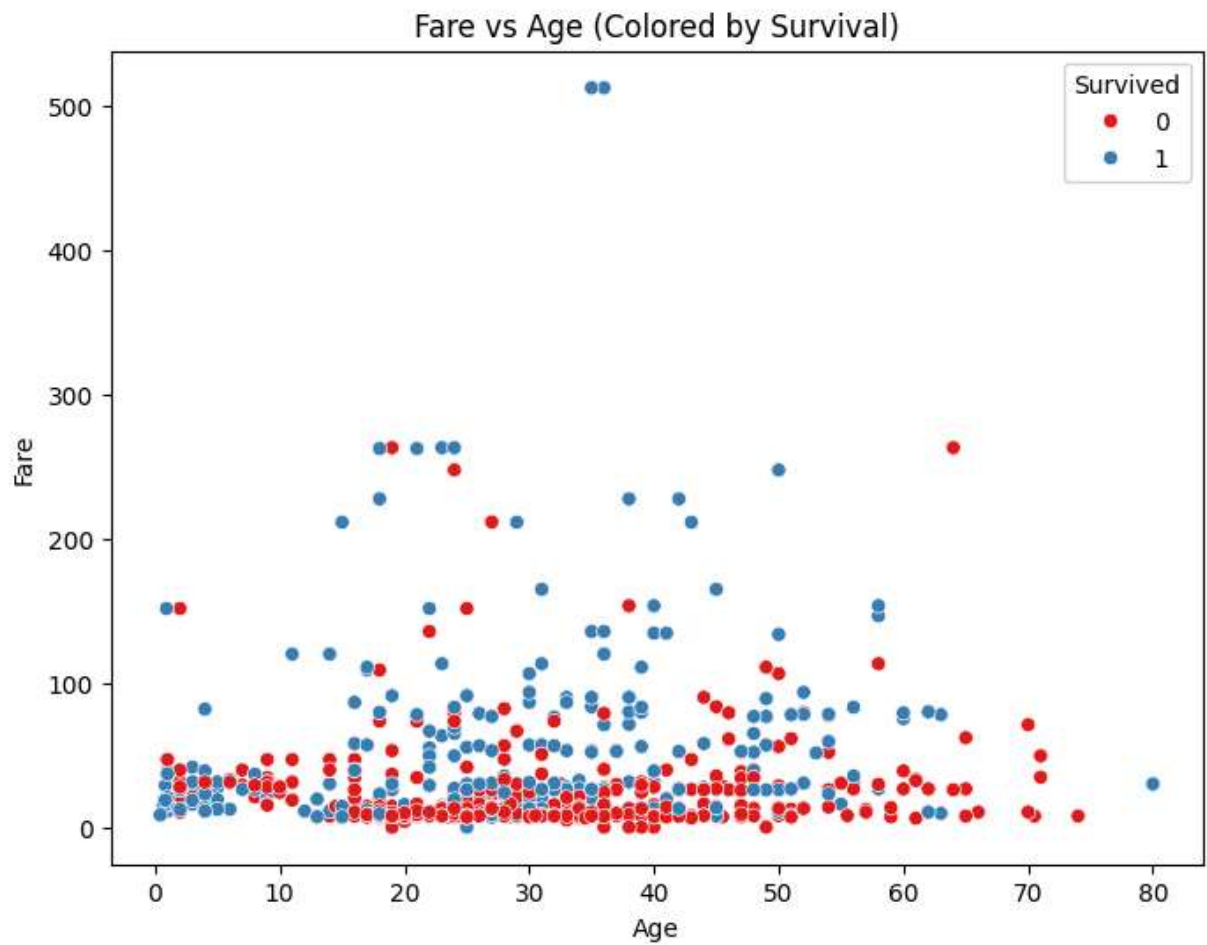

In [6]:
```python
plt.figure(figsize=(8,5))
sns.histplot(train['Fare'], bins=30, kde=True, color='orange')
plt.title('Fare Distribution')
plt.xlabel('Fare')
plt.ylabel('Count')
plt.show()
```

Fare Distribution

```
In [8]: plt.figure(figsize=(8,5))
        sns.boxplot(x='Survived', y='Fare', data=train, hue='Survived', palette='viridis',
        plt.title('Survival vs Fare')
        plt.xlabel('Survived (0 = No, 1 = Yes)')
        plt.ylabel('Fare')
        plt.show()
```

Survival vs Fare
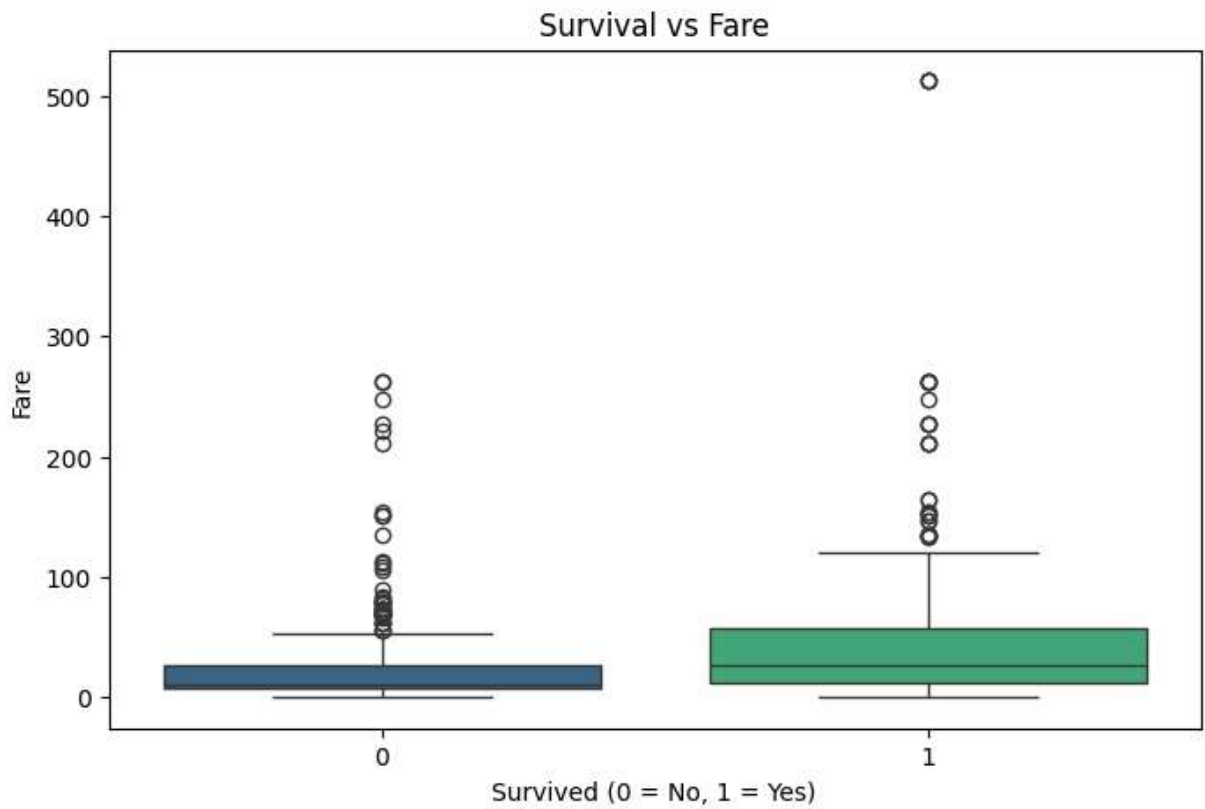
```
In [9]:  plt.figure(figsize=(8,6))
         sns.scatterplot(x='Age', y='Fare', hue='Survived', data =train, palette = 'Set1')
         plt.title('Fare vs Age (Colored by Survival)')
         plt.xlabel('Age')
         plt.ylabel('Fare')
         plt.show()
```

Fare vs Age (Colored by Survival)

In [ ]: