

```
def show_clusters(X, cluster):  
    df = DataFrame(dict(x=X[:,0], y=X[:,1], label=cluster))  
    colors = {-1: 'red', 0: 'blue', 1:'orange'}  
    fig, ax = plt.subplots(figsize=(8,8))  
    grouped = df.groupby('label')  
    for key, group in grouped:  
        group.plot(ax=ax, kind='scatter', x='x', y='y', label=key, color=colors[key])  
    plt.xlabel('x_1')  
    plt.ylabel('x_2')  
    plt.show()  
show_clusters(X,cluster)
```

