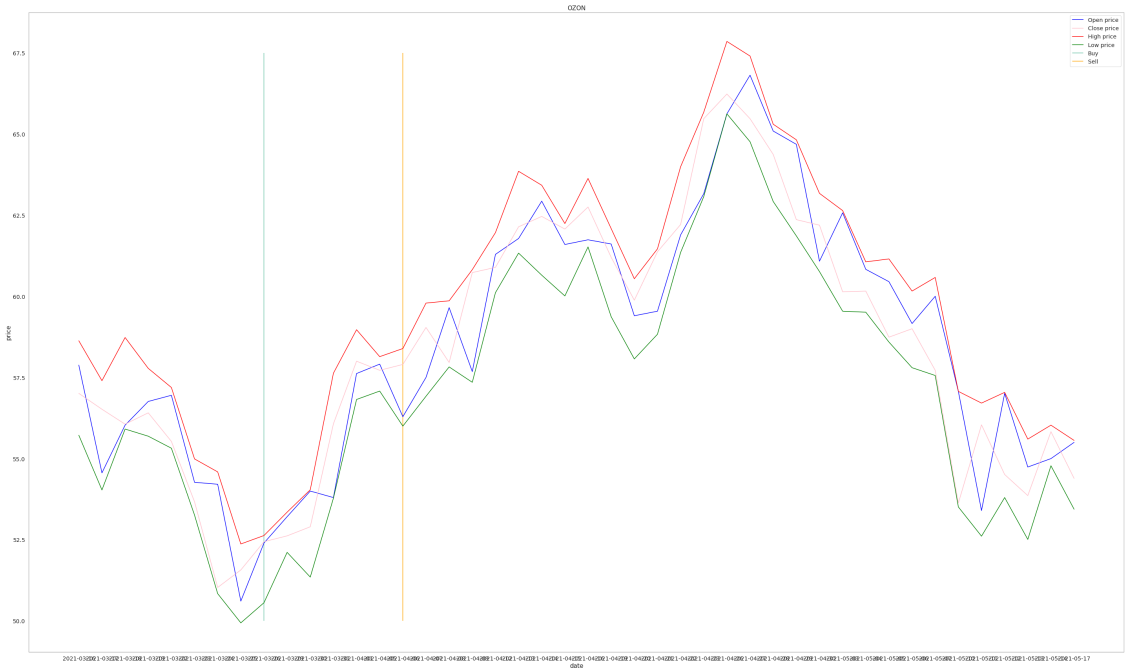
B [1]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

sns.set(style='whitegrid', font_scale=1.3, palette='Set2')
%matplotlib inline

import requests
from time import sleep
import json
from statistics import mean
import plotly
import plotly.graph_objects as go
import plotly.express as px
import scipy.stats as sps
import warnings
warnings.filterwarnings('ignore')
```

B [93]:
```
ozon = pd.DataFrame(pd.read_csv('OZON.csv'))
yandex = pd.DataFrame(pd.read_csv('YNDX.csv'))
tesla = pd.DataFrame(pd.read_csv('TSLA.csv'))
```

B [89]:
```
plt.figure(figsize=(50, 30))

plt.xlabel('date')
plt.ylabel('price')

plt.plot(
    ozon['Date'],
    ozon['Open'],
    label='Open price',
    color='blue'
)

plt.plot(
    ozon['Date'],
    ozon['Close'],
    label='Close price',
    color='pink'
)

plt.plot(
    ozon['Date'],
    ozon['High'],
    label='High price',
    color='red'
)

plt.plot(
    ozon['Date'],
    ozon['Low'],
    label='Low price',
    color='green'
)
plt.vlines('2021-03-26',50.0,67.5, label = 'Buy')

plt.vlines('2021-04-06',50.0,67.5, label = 'Sell', color = 'orange')
plt.title("OZON")
```

```
plt.legend()
plt.grid(ls=':')
plt.show()
```

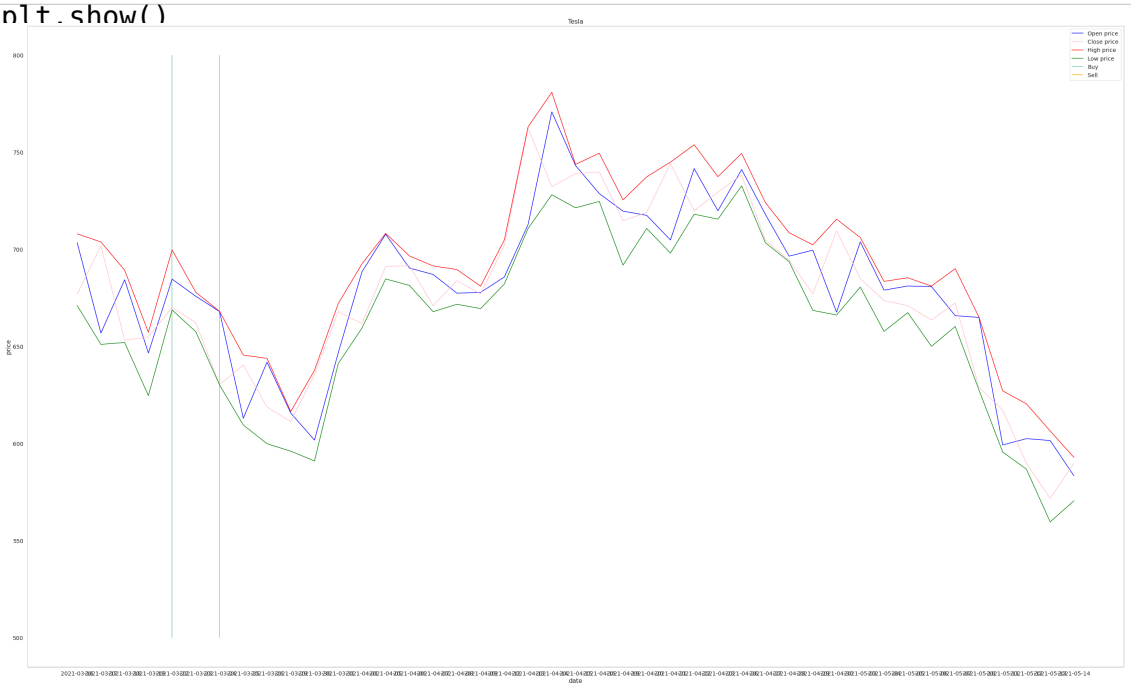


B [90]:
```
plt.figure(figsize=(50, 30))

plt.xlabel('date')
plt.ylabel('price')

plt.plot(
    yandex['Date'],
    yandex['Open'],
    label='Open price',
    color='blue'
)

plt.plot(
    yandex['Date'],
    yandex['Close'],
    label='Close price',
    color='pink'
)

plt.plot(
    yandex['Date'],
    yandex['High'],
    label='High price',
    color='red'
)

plt.plot(
    yandex['Date'],
    yandex['Low'],
    label='Low price',
    color='green'
)
plt.vlines('2021-03-22',50.0,70, label = 'Buy')
plt.vlines('2021-04-12',50.0,70, label = 'Buy')
plt.vlines('2021-04-01',50.0,70, label = 'Sell', color = 'orange')
plt.vlines('2021-04-30',50.0,70, label = 'Sell', color = 'orange')
```

```
plt.title("Yandex")
plt.legend()
plt.grid(ls=':')
plt.show()
```

B [91]:
```
plt.figure(figsize=(50, 30))

plt.xlabel('date')
plt.ylabel('price')

plt.plot(
    tesla['Date'],
    tesla['Open'],
    label='Open price',
    color='blue'
)

plt.plot(
    tesla['Date'],
    tesla['Close'],
    label='Close price',
    color='pink'
)

plt.plot(
    tesla['Date'],
    tesla['High'],
    label='High price',
    color='red'
)

plt.plot(
    tesla['Date'],
    tesla['Low'],
    label='Low price',
    color='green'
)
plt.vlines('2021-03-22',500,800, label = 'Buy')

plt.vlines('2021-03-24',500,800, label = 'Sell', color = 'orange')
```

```
plt.title("Tesla")
plt.legend()
plt.grid()
plt.show()
```



B [92]:
```
plt.figure(figsize=(50, 30))

plt.xlabel('date')
plt.ylabel('price')

plt.plot(
    tesla['Date'],
    tesla['Open'],
    label='Open price',
    color='blue'
)

plt.plot(
    tesla['Date'],
    tesla['Close'],
    label='Close price',
    color='pink'
)

plt.plot(
    tesla['Date'],
    tesla['High'],
    label='High price',
    color='red'
)

plt.plot(
    tesla['Date'],
    tesla['Low'],
    label='Low price',
    color='green'
)
plt.vlines('2021-03-22',100,800, label = 'Buy')
```

```
plt.vlines('2021-03-24',100,800, label = 'Sell', color = 'orange')

plt.title("Tesla")
plt.legend()
plt.grid()
plt.show()
```