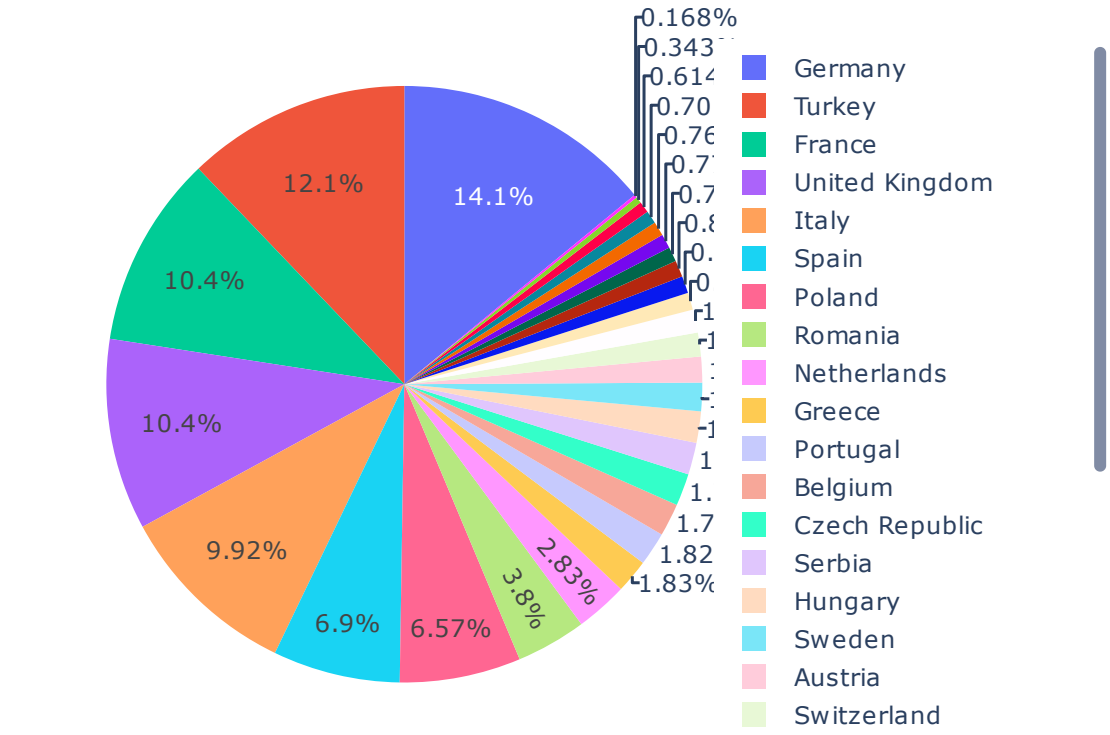
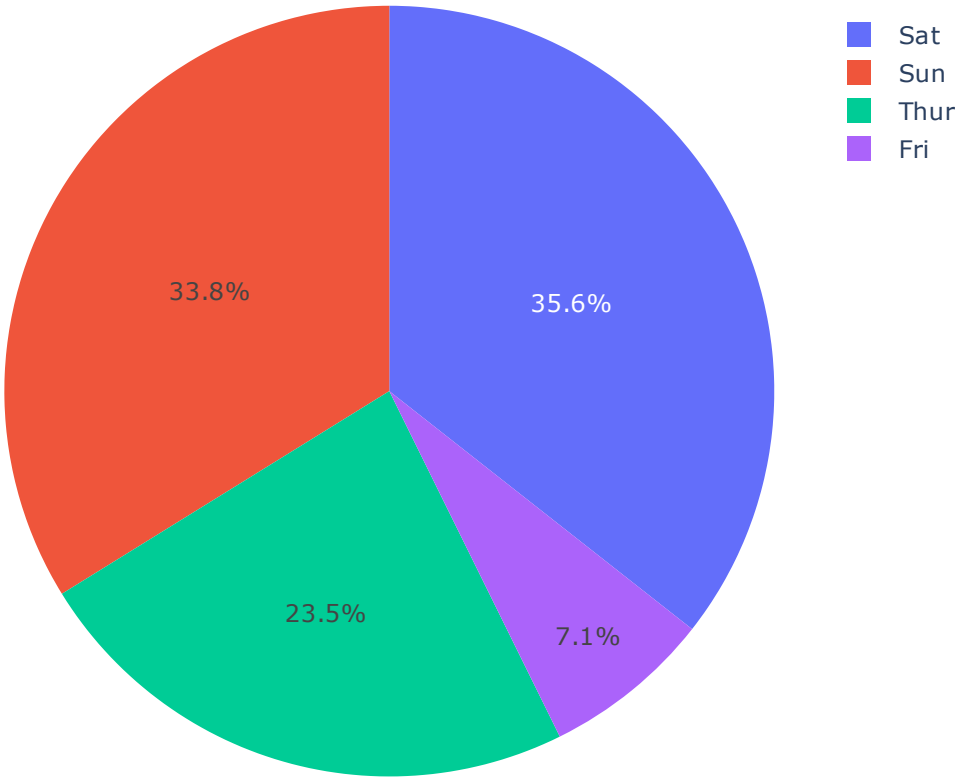
In [1]:

```
# Pie chart with plotly express
import plotly.express as px
df = px.data.gapminder().query("year == 2007").query("continent == 'Europe'")
df.loc[df['pop'] < 2.e6, 'country'] = 'Other countries' # Represent only large countries
fig = px.pie(df, values='pop', names='country', title='Population of European continent
fig.show()
```



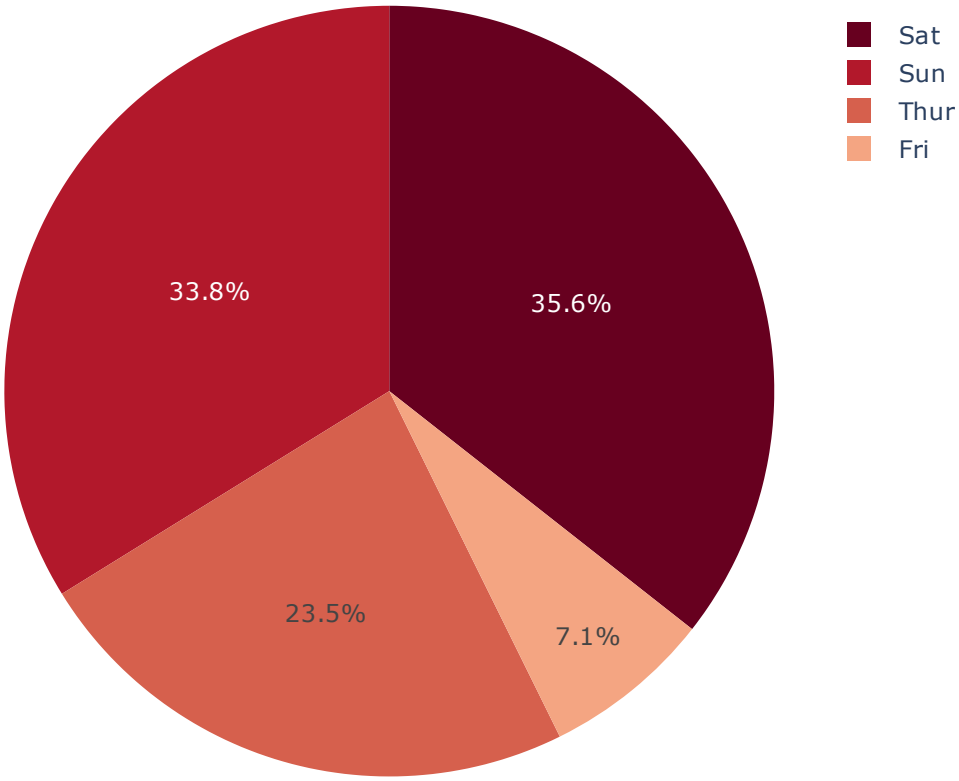
In [2]:

```
# Pie chart with repeated labels
import plotly.express as px
# This dataframe has 244 lines, but 4 distinct values for `day`
df = px.data.tips()
fig = px.pie(df, values='tip', names='day')
fig.show()
```



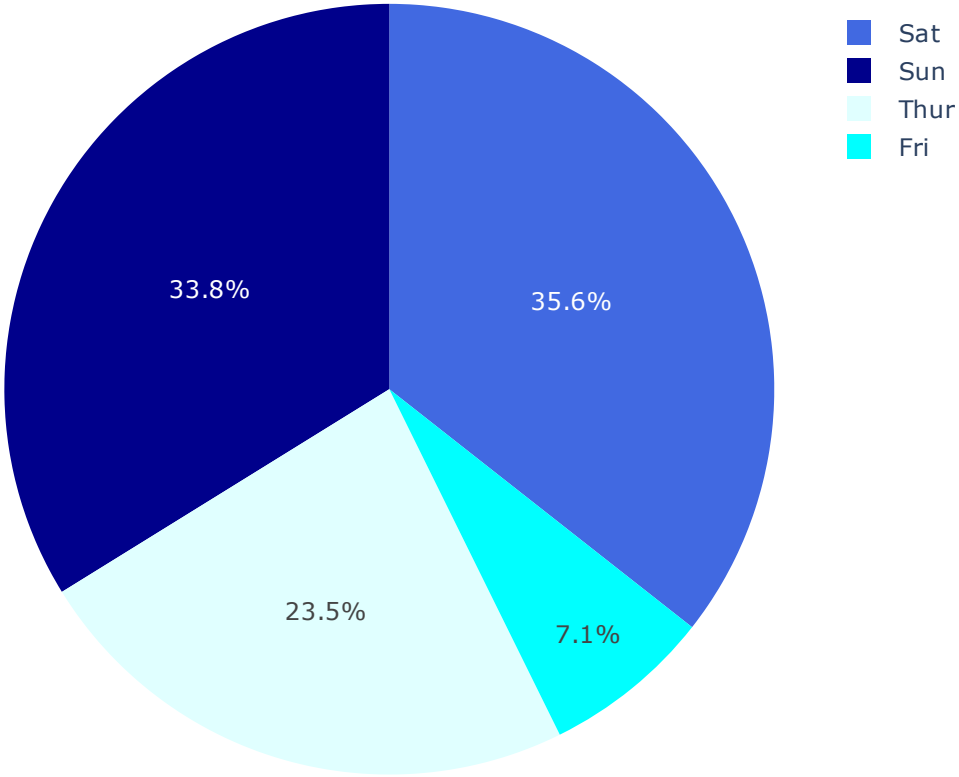
In [4]:

```
# Setting the color of pie sectors with px.pie
import plotly.express as px
df = px.data.tips()
fig = px.pie(df, values='tip', names='day',
             color_discrete_sequence=px.colors.sequential.RdBu)
fig.show()
```



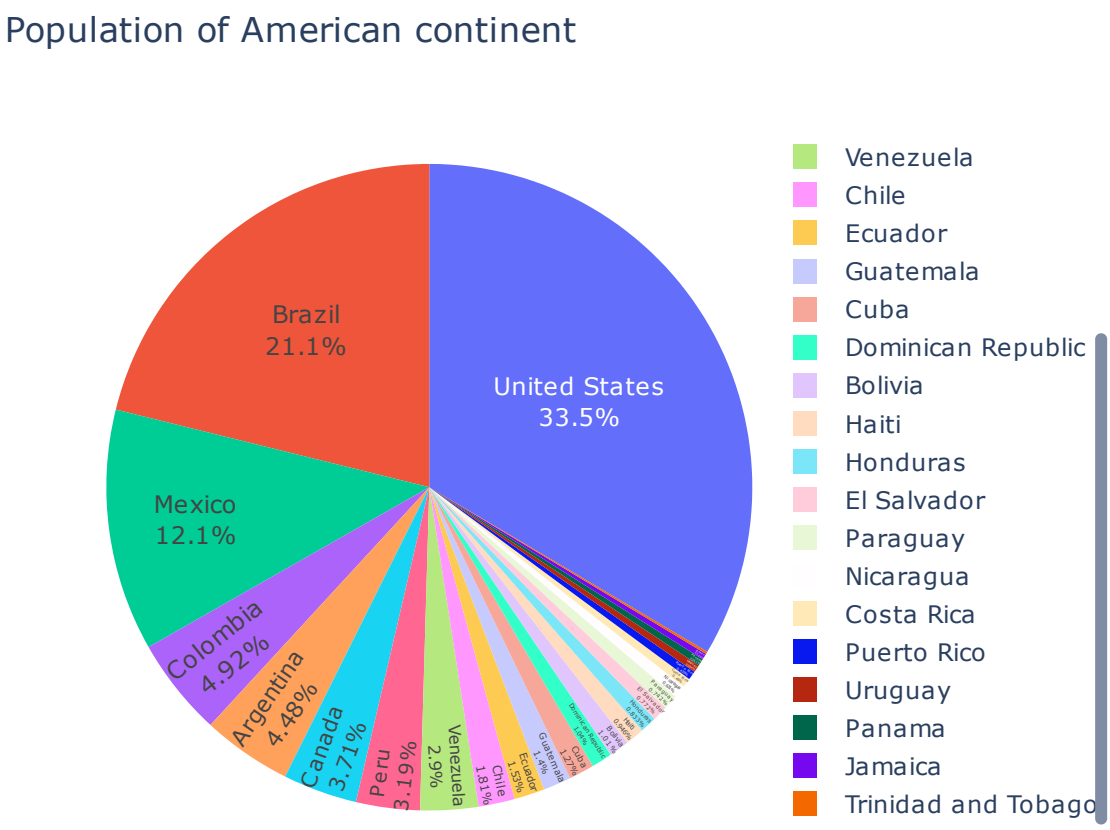
In [5]:

```
# Using an explicit mapping for discrete colors
import plotly.express as px
df = px.data.tips()
fig = px.pie(df, values='tip', names='day', color='day',
             color_discrete_map={'Thur':'lightcyan',
                                 'Fri':'cyan',
                                 'Sat':'royalblue',
                                 'Sun':'darkblue'})
fig.show()
```



In [6]:

```
# Customizing a pie chart created with px.pie
import plotly.express as px
df = px.data.gapminder().query("year == 2007").query("continent == 'Americas'")
fig = px.pie(df, values='pop', names='country',
             title='Population of American continent',
             hover_data=['lifeExp'], labels={'lifeExp':'life expectancy'})
fig.update_traces(textposition='inside', textinfo='percent+label')
fig.show()
```

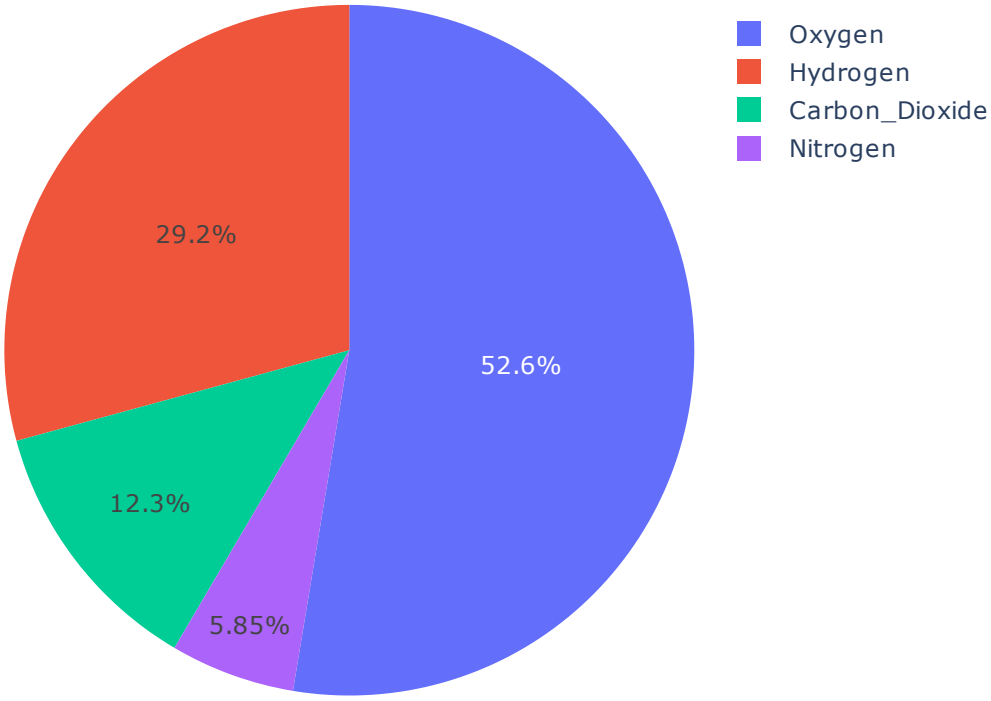


In [7]:

```
# Basic Pie Chart with go.Pie
import plotly.graph_objects as go

labels = ['Oxygen','Hydrogen','Carbon_Dioxide','Nitrogen']
values = [4500, 2500, 1053, 500]

fig = go.Figure(data=[go.Pie(labels=labels, values=values)])
fig.show()
```



In [8]:

```
# Styled Pie Chart

import plotly.graph_objects as go
colors = ['gold', 'mediumturquoise', 'darkorange', 'lightgreen']

fig = go.Figure(data=[go.Pie(labels=['Oxygen','Hydrogen','Carbon_Dioxide','Nitrogen'],
                             values=[4500,2500,1053,500])])
fig.update_traces(hoverinfo='label+percent', textinfo='value', textfont_size=20,
                  marker=dict(colors=colors, line=dict(color='#000000', width=2)))
fig.show()
```