



Cores e Estilos

1. Abra o arquivo Resources/Styles/Colors.xaml e crie as tags abaixo. Definiremos neste arquivo cores nomeadas por nomenclaturas que poderemos usar em outras partes do projeto.

```
<ResourceDictionary
    xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml">

    <Color x:Key="MainColor">#f8cc45</Color>
    <Color x:Key="DarkColor">Black</Color>
    <Color x:Key="DarkTextColor">Black</Color>

    <Color x:Key="Primary">#512BD4</Color>
    <Color x:Key="Secondary">#DFD8F7</Color>
    <Color x:Key="Tertiary">#2B0B98</Color>
```

2. Abra o arquivo Resources/Styles/Styles.xaml e crie o estilo abaixo

```
<ResourceDictionary
    xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml">

    <Style x:Key="WhiteButtonSmall" TargetType="Button">
        <Setter Property="BackgroundColor" Value="White" />
        <Setter Property="TextColor" Value="Black" />
        <Setter Property="HeightRequest" Value="36" />
        <Setter Property="CornerRadius" Value="18" />
        <Setter Property="FontSize" Value="10" />
        <Setter Property="WidthRequest" Value="80" />
    </Style>
```

3. Abra a view MainPage.Xaml e delete os elementos dentro da tag ContentPage. Insira o layout abaixo

```
<ContentPage.Content>
    <VerticalStackLayout Padding="25" Spacing="30">
        <Frame
            BackgroundColor="{StaticResource MainColor}"
            HeightRequest="{OnPlatform Android=190, iOS=220}"
            Padding="0" HasShadow="false" CornerRadius="10">
            <Grid>
                <Image Source="dotnet_bot.svg" />
                <FlexLayout Direction="Row" Margin="20" AlignItems="Stretch">
                    <Label Text="RPG App" FlexLayout.Grow="1" FontAttributes="Bold"
                        FontSize="20" VerticalTextAlignment="Center"/>
                    <FlexLayout FlexLayout.Grow="2" Direction="Column"
                        AlignItems="End" JustifyContent="Center">
                        <Label Text="Usuários" FontSize="20"/>
                        <Button Style="{StaticResource WhiteButtonSmall}" Text="VER"/>
                    </FlexLayout>
                </FlexLayout>
            </Grid>
        </Frame>
    </VerticalStackLayout>
</ContentPage.Content>
```



A montagem do layout ficará conforme abaixo. Perceba que temos a configuração da cor *MainColor*, inserida no arquivo de cores sendo mencionada no *BackgroundColor* através do *StaticResource*. Perceba também que o botão presente no layout está recebendo o estilo *WhiteButtonSmall* configurado no arquivo de estilos. Execute o aplicativo para testar as alterações.

```
<?xml version="1.0" encoding="utf-8" ?>
<ContentPage xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
    x:Class="AppRpgEtec.MainPage">
    ...
    <ContentPage.Content>
        <VerticalStackLayout Padding="25" Spacing="30">
            <Frame
                BackgroundColor="{StaticResource MainColor}"
                HeightRequest="{OnPlatform Android=190, iOS=220}"
                Padding="0" HasShadow="false" CornerRadius="10">
                <Grid>
                    <Image Source="dotnet_bot.svg"/>
                    <FlexLayout Direction="Row" Margin="20" AlignItems="Stretch">
                        <Label Text="RPG App" FlexLayout.Grow="1" FontAttributes="Bold"
                            FontSize="20" VerticalTextAlignment="Center"/>
                        <FlexLayout FlexLayout.Grow="2" Direction="Column"
                            AlignItems="End" JustifyContent="Center">
                            <Label Text="Usuários" FontSize="20"/>
                            <Button Style="{StaticResource WhiteButtonSmall}" Text="VER"/>
                        </FlexLayout>
                    </FlexLayout>
                </Grid>
            </Frame>
        </VerticalStackLayout>
    </ContentPage.Content>
</ContentPage>
```

4. Insira as tags abaixo antes de "*ContentPage.Content*" para testarmos mais uma forma declarar recursos de layout.

```
<ContentPage xmlns="http://schemas.microsoft.com/dotnet/2021/maui"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
    x:Class="AppRpgEtec.MainPage">
    ...
    <ContentPage.Resources>
        <ResourceDictionary>
            <Style x:Key="FrameOptions" TargetType="Frame">
                <Setter Property="Margin" Value="10" />
                <Setter Property="HasShadow" Value="True" />
            </Style>
        </ResourceDictionary>
    </ContentPage.Resources>
    <ContentPage.Content>
```



5. Insira as tags abaixo do Frame mais externo

```
<Label Text="Este App oferece recursos para" FontAttributes="Bold" FontSize="Medium"/>
  <ScrollView Orientation="Horizontal">
    <HorizontalStackLayout>
      <Frame Style="{StaticResource FrameOptions}" Padding="0"
HeightRequest="{OnPlatform Android=150, iOS=140}"
      WidthRequest="{OnPlatform Android=120, iOS=140}">
        <VerticalStackLayout Spacing="0" VerticalOptions="Center">
          <Image Source="menupersonagens.svg"/>
          <Label Text="Personagens" FontSize="Small"
HorizontalTextAlignment="Center" Margin="10,0"/>
        </VerticalStackLayout>
      </Frame>
      <Frame Style="{StaticResource FrameOptions}" Padding="0"
HeightRequest="{OnPlatform Android=150, iOS=140}"
      WidthRequest="{OnPlatform Android=120, iOS=140}">
        <VerticalStackLayout Spacing="30" VerticalOptions="Center">
          <Image Source="menuarmas.png"/>
          <Label Text="Armas" FontSize="Small" HorizontalTextAlignment="Center"
Margin="10,0"/>
        </VerticalStackLayout>
      </Frame>
      <Frame Style="{StaticResource FrameOptions}" Padding="0"
HeightRequest="{OnPlatform Android=150, iOS=140}"
      WidthRequest="{OnPlatform Android=120, iOS=140}">
        <VerticalStackLayout Spacing="0" VerticalOptions="Center">
          <Image Source="menudisputas.png"/>
          <Label Text="Disputas" FontSize="Small"
HorizontalTextAlignment="Center" Margin="10,0"/>
        </VerticalStackLayout>
      </Frame>
    </HorizontalStackLayout>
  </ScrollView>

  <HorizontalStackLayout Margin="10,100">
    <Image Source="exit.svg" WidthRequest="50"/>
    <Label Text="Sair" Margin="10,0,0,0" VerticalTextAlignment="Center" />
  </HorizontalStackLayout>
```

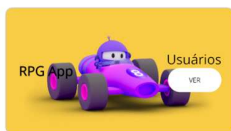


O layout deverá ficar conforme abaixo. Execute o aplicativo para testar

```
</FlexLayout>
</Grid>
</Frame>

<Label Text="Este App oferece recursos para" FontAttributes="Bold" FontSize="Medium"/>
<ScrollView Orientation="Horizontal">
  <HorizontalStackLayout>
    <Frame Style="{StaticResource FrameOptions}" Padding="0" HeightRequest="{OnPlatform Android=150, iOS=140}"
      WidthRequest="{OnPlatform Android=120, iOS=140}">
      <VerticalStackLayout Spacing="0" VerticalOptions="Center">
        <Image Source="menupersonagens.svg"/>
        <Label Text="Personagens" FontSize="Small" HorizontalTextAlignment="Center" Margin="10,0"/>
      </VerticalStackLayout>
    </Frame>
    <Frame Style="{StaticResource FrameOptions}" Padding="0" HeightRequest="{OnPlatform Android=150, iOS=140}"
      WidthRequest="{OnPlatform Android=120, iOS=140}">
      <VerticalStackLayout Spacing="30" VerticalOptions="Center">
        <Image Source="menuarmas.png"/>
        <Label Text="Armas" FontSize="Small" HorizontalTextAlignment="Center" Margin="10,0"/>
      </VerticalStackLayout>
    </Frame>
    <Frame Style="{StaticResource FrameOptions}" Padding="0" HeightRequest="{OnPlatform Android=150, iOS=140}"
      WidthRequest="{OnPlatform Android=120, iOS=140}">
      <VerticalStackLayout Spacing="0" VerticalOptions="Center">
        <Image Source="menudisputas.png"/>
        <Label Text="Disputas" FontSize="Small" HorizontalTextAlignment="Center" Margin="10,0"/>
      </VerticalStackLayout>
    </Frame>
  </HorizontalStackLayout>
</ScrollView>

<HorizontalStackLayout Margin="10,100">
  <Image Source="exit.svg" WidthRequest="50"/>
  <Label Text="Sair" Margin="10,0,0,0" VerticalTextAlignment="Center" />
</HorizontalStackLayout>
</VerticalStackLayout>
</ContentPage.Content>
</ContentPage>
```



Este App oferece recursos para



Recomendações de estudos para Criação de layout, estilos e cores – Canal dotNET

Documentação: <https://learn.microsoft.com/en-us/dotnet/maui/user-interface/layouts/?view=net-maui-7.0>

Parte I https://www.youtube.com/watch?v=x_sNPEwS3kA

Parte II <https://www.youtube.com/watch?v=k3oediCzZvs>