

maui

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xaml



属性	値
AutomationId	文字列
StyleClass	文字列
Resources	辞書
BindingContext	オブジェクト
ToolBarItems	リスト
Visual	Material
FlowDirection	LTR/RTL
IsBusy	ブール値
InputTransparent	ブール値
Opacity	浮動小数点
IsEnabled	ブール値
IsVisible	ブール値
Margin	長さ
WidthRequest/HeightRequest	長さ
MinimumWidthRequest/MinimumHeightRequest	長さ
MaximumWidthRequest/MaximumHeightRequest	長さ
AnchorX/AnchorY	長さ
Rotation/RotationX/RotationY	角度
Scale	長さ
TranslationX/TranslationY	長さ

ContentPage

```
<ContentPage
  x:Class="Demo1.Pages.FullContentPage"
  Title="ContentPage" <!-- Title -->
  BackgroundColor="AliceBlue" <!-- BackgroundColor -->
```

```

Padding="20,40,20,20" <!-- 设置内边距 -->
IconImageSource="icon.png" <!-- 设置图标 --> TabbedPage/FlyoutPage/Shell
FlowDirection="LeftToRight" <!-- 设置流方向 -->
IsBusy="False" <!-- 设置是否忙碌 -->
Visual="Material" <!-- 设置视觉风格 --> Material/Default -->
AutomationId="ContentPage1" <!-- 设置自动化ID --> ID -->
StyleClass="mainPage" <!-- 设置样式类 -->
Shell.TabBarIsVisible="True" <!-- 设置壳的底部栏是否可见 --> TabBar -->
Shell.NavBarIsVisible="True" <!-- 设置壳的导航栏是否可见 -->
Shell.BackgroundColor="LightGray" <!-- 设置壳的背景颜色 -->
Shell.TitleColor="DarkBlue" <!-- 设置壳的标题颜色 -->
Shell.DisabledColor="Gray" <!-- 设置壳的禁用颜色 -->
Shell.TabBarBackgroundColor="White" <!-- 设置壳的底部栏背景颜色 -->
Shell.TabBarTitleColor="Black" <!-- 设置壳的底部栏标题颜色 -->
Shell.TabBarUnselectedColor="LightGray" <!-- 设置壳的底部栏未选中颜色 -->
Shell.TabBarForegroundColor="DodgerBlue" <!-- 设置壳的底部栏前景颜色 -->
Shell.TabBarDisabledColor="Gray" <!-- 设置壳的底部栏禁用颜色 -->
Shell.TabBarShadowColor="LightGray" <!-- 设置壳的底部栏阴影颜色 -->
>
<StackLayout>
    <Label Text="ContentPage1" />
</StackLayout>
</ContentPage>

```

FlyoutPage 设置

```

<FlyoutPage
    x:Class="Demo1.AppShell"
    FlyoutLayoutBehavior="Split" <!-- 设置布局行为 --> Split/Popover/Locked/Default -->
    IsPresented="False" <!-- 设置是否呈现 -->
    FlyoutIcon="menu.png" <!-- 设置图标 -->
    FlyoutBackgroundColor="LightGray" <!-- 设置背景颜色 -->
    FlyoutWidth="300" <!-- 设置宽度 -->
>
<FlyoutPage.Flyout>
    <ContentPage Title="ContentPage1" IconImageSource="menu.png">
        <StackLayout>
            <Label Text="ContentPage1" />
        </StackLayout>
    </ContentPage>

```

```

</FlyoutPage.Flyout>
<FlyoutPage.Detail>
  <NavigationPage>
    <x:Arguments>
      <local:MainPage />
    </x:Arguments>
  </NavigationPage>
</FlyoutPage.Detail>
</FlyoutPage>

```

FlyoutHeader

FlyoutFooter

NavigationPage

```

<NavigationPage
  x:Class="Demo1.NavigationRoot"
  BarBackgroundColor="DodgerBlue" <!-- 
  BarTextColor="White" <!-- 
  TitleIconImageSource="navicon.png" <!-- 
  Shell.NavBarIsVisible="True" <!-- Shell
  Shell.NavBarHasShadow="True" <!-- Shell
  Shell.NavBarBackgroundColor="LightBlue" <!-- Shell
  Shell.NavBarTitleColor="DarkBlue" <!-- Shell
  Shell.NavBarDisabledColor="Gray" <!-- Shell
  Shell.NavBarForegroundColor="DodgerBlue" <!-- Shell
  Shell.NavBarShadowColor="LightGray" <!-- Shell
  >
  <x:Arguments>
    <local:MainPage />
  </x:Arguments>
</NavigationPage>

```

HasNavigationBar C#

TabbedPage

```

<TabbedPage
  x:Class="Demo1.MainTabbedPage"

```

```

BarBackgroundColor="White" <!-- ████████ -->
BarTextColor="Gray" <!-- ████████ -->
SelectedTabColor="DodgerBlue" <!-- ██████ -->
UnselectedTabColor="LightGray" <!-- ██████ -->
Shell.TabBarIsVisible="True" <!-- Shell██████ TabBar -->
Shell.TabBarBackgroundColor="White" <!-- Shell██ TabBar████ -->
Shell.TabBarTitleColor="Black" <!-- Shell██ TabBar████ -->
Shell.TabBarUnselectedColor="LightGray" <!-- Shell██████ Tab██ -->
Shell.TabBarForegroundColor="DodgerBlue" <!-- Shell██ TabBar████ -->
Shell.TabBarDisabledColor="Gray" <!-- Shell██ TabBar████ -->
Shell.TabBarShadowColor="LightGray" <!-- Shell██ TabBar████ -->
>

<ContentPage Title="██ " IconImageSource="home.png" />
<ContentPage Title="██ " IconImageSource="discover.png" />
<ContentPage Title="██ " IconImageSource="user.png" />
</TabbedPage>

```

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CurrentPage C#
 Title IconImageSource

Shell

Shell .NET MAUI Flyout TabBar Stack

```
Shell [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
Shell [ ] [ ] FlyoutPage[ ] TabbedPage[ ] NavigationPage[ ] ContentPage[ ]  
Shell [ ] <Shell> [ ] [ ] [ ] [ ] [ ] [ ] [ ] Route [ ] [ ] [ ] [ ]  
Shell [ ] [ ] Shell.TabBarsVisible[ ] [ ] [ ] Shell [ ] [ ] [ ] [ ] [ ]  
Shell [ ] [ ] URI [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] /TabBar[ ] [ ] [ ]  
  
<Shell  
    x:Class="Demo1.AppShell"  
    BackgroundColor="White"  
    TitleColor="Black"  
    >  
    <!-- [ ] [ ] [ ] [ ] -->  
    <FlyoutItem Title="[ ] [ ] [ ]" Icon="menu.png">
```

```

<!-- TabBar[] -->
<TabBar>
  <Tab Title=""[] " Icon="home.png">
    <ShellContent ContentTemplate="{DataTemplate local:MainPage}" />
  </Tab>
  <Tab Title=""[] " Icon="discover.png">
    <ShellContent ContentTemplate="{DataTemplate local:DiscoverPage}" />
  </Tab>
  <Tab Title=""[] " Icon="user.png">
    <ShellContent ContentTemplate="{DataTemplate local:ProfilePage}" />
  </Tab>
</TabBar>
</FlyoutItem>
<!-- [][] -->
<ShellContent Route="settings" ContentTemplate="{DataTemplate local:SettingsPage}" />
</Shell>

```













```

Shell [][] Flyout[][][] TabBar[][][] Stack[][][]
Shell [][][][] /TabBar[][][]
[] Shell [][] Shell [][]
[] Shell[]










```

xaml





StackLayout

	
Orientation	 Vertical/Horizontal 
Spacing	
Padding	
Margin	
HorizontalOptions	
VerticalOptions	
BackgroundColor	

Grid

	
RowDefinitions	
ColumnDefinitions	
Padding	
Margin	
RowSpacing	
ColumnSpacing	
BackgroundColor	



Grid.Row
Grid.Column
Grid.RowSpan
Grid.ColumnSpan

FlexLayout

	
---	---

Direction	Row/Column
Wrap	NoWrap/Wrap/Reverse
JustifyContent	
AlignItems	
AlignContent	
Padding	
Margin	
BackgroundColor	

FlexLayout.Order
FlexLayout.Grow
FlexLayout.Shrink
FlexLayout.Basis
FlexLayout.AlignSelf

AbsoluteLayout

Padding	
Margin	
BackgroundColor	

AbsoluteLayout.LayoutBounds
AbsoluteLayout.LayoutFlags

"x, y, width, height"
All/None/WidthProportional/HeightProportional

VerticalStackLayout / HorizontalStackLayout

/

Spacing	
Padding	
Margin	

属性名	属性値
HorizontalOptions	HorizontalOptions
VerticalOptions	VerticalOptions
BackgroundColor	BackgroundColor

ContentView

属性名	属性値
Content	Content
Padding	Padding
Margin	Margin
BackgroundColor	BackgroundColor

属性名






HorizontalOptions	VerticalOptions	Start	Center	End	Fill
Margin	Padding				
BackgroundColor					
IsVisible	IsEnabled	Opacity			
WidthRequest	HeightRequest				

xaml

ScrollView








- Orientation  Vertical/Horizontal
- Content 
- Padding  Margin  BackgroundColor

CollectionView

  /






- ItemsSource 
- ItemTemplate 
- ItemsLayout 
- SelectionMode  SelectedItem
- Header  Footer

CarouselView



- ItemsSource  ItemTemplate
- IsBounceEnabled  PeekAreaInsets
- Loop  Position

Frame




The image shows two tens rods and eighteen ones units. The tens rods are placed vertically on the left, and the ones units are placed horizontally to their right.

--	--	--	--	--

- CornerRadius 
- HasShadow 
- BorderColor  BackgroundColor
- Content

Border .NET MAUI

--	--	--	--	--

- Stroke 
- StrokeThickness 
- StrokeShape 
- Background  Content

ContentPresenter



--	--	--	--	--

- Content

--	--	--	--	--	--

Expander

xaml

1. Label

```
<Label
    Text="Label" <!-- 文本 -->
    TextColor="Red" <!-- 文本颜色 -->
    FontSize="18" <!-- 字体大小 -->
    FontAttributes="Bold,Italic" <!-- 字体属性 Bold/Italic/None -->
    FontFamily="Microsoft YaHei" <!-- 字体家族 -->
    HorizontalTextAlignment="Center" <!-- 水平文本对齐 Start/Center/End -->
    VerticalTextAlignment="Center" <!-- 垂直文本对齐 -->
    LineBreakMode="WordWrap" <!-- 换行模式 -->
    MaxLines="2" <!-- 最大行数 -->
    CharacterSpacing="2" <!-- 字符间距 -->
    Padding="5" <!-- 内边距 -->
    Margin="10" <!-- 外边距 -->
    BackgroundColor="LightYellow" <!-- 背景颜色 -->
    Opacity="0.8" <!-- 透明度 -->
    IsVisible="True" <!-- 是否可见 -->
    AutomationId="Label1" <!-- 自动化ID ID -->
    x:Name="MyLabel" <!-- 名称 -->
    TextDecorations="Underline,Strikethrough" <!-- 文本装饰 / -->
/>
```

2. Entry

```
<Entry
    Text="{Binding UserName, Mode=TwoWay}" <!-- 文本 MVVM -->
    Placeholder="请输入用户名" <!-- 占位符 -->
    IsPassword="True" <!-- 是否密码 -->
    Keyboard="Email" <!-- 键盘 Default/Numeric/Email/Chat/Telephone/Url -->
    MaxLength="20" <!-- 最大长度 -->
    IsReadOnly="False" <!-- 是否只读 -->
    TextColor="Black" <!-- 文本颜色 -->
    FontSize="16" <!-- 字体大小 -->
    FontFamily="Arial" <!-- 字体家族 -->
```

```

HorizontalTextAlignment="Start"      <!-- [ ] [ ] [ ] [ ] -->
VerticalTextAlignment="Center"      <!-- [ ] [ ] [ ] [ ] -->
ClearButtonVisibility="WhileEditing" <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
ReturnType="Done"                   <!-- [ ] [ ] [ ] [ ] -->
ReturnCommand="{Binding DoneCommand}" <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
CursorPosition="0"                  <!-- [ ] [ ] [ ] [ ] -->
SelectionLength="0"                  <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
Margin="10"
Padding="5"
BackgroundColor="White"
IsEnabled="True"
Opacity="1"
x:Name="MyEntry"
/>

```

3. Editor

```

<Editor
    Text="{Binding Description, Mode=TwoWay}" <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
    Placeholder="[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]"
    AutoSize="TextChanges"                <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] Disabled/TextChanges -->
    IsReadOnly="False"
    MaxLength="200"
    TextColor="Gray"
    FontSize="14"
    FontFamily="Arial"
    BackgroundColor="WhiteSmoke"
    Margin="10"
    Padding="5"
    IsEnabled="True"
    Opacity="1"
    x:Name="MyEditor"
/>

```

4. Button

```

<Button
    Text="[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]" <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
    Command="{Binding SubmitCommand}"        <!-- MVVM [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
    CommandParameter="{Binding SomeValue}"    <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->

```

```

IsEnabled="True"                <!-- [ ] [ ] [ ] [ ] -->
BackgroundColor="DodgerBlue"    <!-- [ ] [ ] [ ] [ ] -->
TextColor="White"               <!-- [ ] [ ] [ ] [ ] -->
FontSize="18"
FontAttributes="Bold"
CornerRadius="8"               <!-- [ ] [ ] [ ] [ ] -->
BorderColor="Gray"             <!-- [ ] [ ] [ ] [ ] -->
BorderWidth="2"               <!-- [ ] [ ] [ ] [ ] -->
ImageSource="icon.png"         <!-- [ ] [ ] [ ] [ ] -->
Padding="10"
Margin="10"
Opacity="1"
x:Name="MyButton"
/>

```

5. Image

```

<Image
  Source="dotnet_bot.png"        <!-- [ ] [ ] [ ] [ ] URL -->
  Aspect="AspectFill"           <!-- [ ] [ ] [ ] [ ] AspectFit/AspectFill/Fill/Center -->
  IsAnimationPlaying="True"     <!-- GIF [ ] [ ] [ ] [ ] -->
  Opacity="0.9"
  IsVisible="True"
  HeightRequest="100"
  WidthRequest="100"
  Margin="5"
  x:Name="MyImage"
/>

```

6. CollectionView

```

<CollectionView
  ItemsSource="{Binding Items}"  <!-- [ ] [ ] [ ] [ ] -->
  ItemTemplate="{StaticResource MyTemplate}" <!-- [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] -->
  ItemsLayout="VerticalList"     <!-- [ ] [ ] [ ] [ ] VerticalList/HorizontalList/VerticalGrid/HorizontalGrid -->
  SelectionMode="Single"        <!-- [ ] [ ] [ ] [ ] None/Single/Multiple -->
  SelectedItem="{Binding SelectedItem, Mode=TwoWay}" <!-- [ ] [ ] [ ] [ ] -->
  Header="[ ] [ ] [ ] [ ] "
  Footer="[ ] [ ] [ ] [ ] "
  IsGrouped="False"

```

```
EmptyView=""  
Margin="10"  
x:Name="MyCollectionView"  
/>
```

7. Picker

```
<Picker  
    ItemsSource="{Binding Options}" <!--   
    SelectedItem="{Binding SelectedOption, Mode=TwoWay}" <!--   
    SelectedIndex="{Binding SelectedIndex, Mode=TwoWay}" <!--   
    Title=""  
    TextColor="Black"  
    FontSize="16"  
    Margin="10"  
    x:Name="MyPicker"  
/>
```

8. Switch

```
<Switch  
    IsToggled="{Binding IsEnabled, Mode=TwoWay}" <!--   
    OnColor="Green" <!--   
    ThumbColor="White" <!--   
    IsEnabled="True"  
    Margin="10"  
    x:Name="MySwitch"  
/>
```

9. CheckBox

```
<CheckBox  
    IsChecked="{Binding IsChecked, Mode=TwoWay}" <!--   
    Color="DodgerBlue" <!--   
    IsEnabled="True"  
    Margin="10"  
    x:Name="MyCheckBox"  
/>
```

10. RadioButton

```

<RadioButton
  Content="☐ A" <!-- ☐☐☐ -->
  GroupName="Group1" <!-- ☐☐ -->
  IsChecked="{Binding IsOptionA, Mode=TwoWay}" <!-- ☐☐☐ -->
  Color="Orange"
  IsEnabled="True"
  Margin="10"
  x:Name="MyRadioButton"
/>

```

11. Slider

```

<Slider
  Minimum="0" <!-- ☐☐ -->
  Maximum="100" <!-- ☐☐ -->
  Value="{Binding Progress, Mode=TwoWay}" <!-- ☐☐ -->
  ThumbColor="Red" <!-- ☐☐☐ -->
  MinimumTrackColor="Blue" <!-- ☐☐☐☐☐ -->
  MaximumTrackColor="Gray" <!-- ☐☐☐☐☐ -->
  IsEnabled="True"
  Margin="10"
  x:Name="MySlider"
/>

```

12. ProgressBar

```

<ProgressBar
  Progress="{Binding ProgressValue}" <!-- ☐ 0~1 -->
  ProgressColor="Green"
  BackgroundColor="LightGray"
  Margin="10"
  x:Name="MyProgressBar"
/>

```

13. ActivityIndicator

```

<ActivityIndicator
  IsRunning="{Binding IsBusy}" <!-- ☐☐☐☐☐ -->
  Color="Purple"
  IsVisible="{Binding IsBusy}"

```



```
Margin="10"
x:Name="MyActivityIndicator"
/>
```

14. DatePicker

```
<DatePicker
    Date="{Binding SelectedDate, Mode=TwoWay}" <!-- 日期选择器 -->
    MinimumDate="2020-01-01"
    MaximumDate="2030-12-31"
    Format="yyyy-MM-dd"
    TextColor="Black"
    Margin="10"
    x:Name="MyDatePicker"
/>
```

15. TimePicker

```
<TimePicker
    Time="{Binding SelectedTime, Mode=TwoWay}" <!-- 时间选择器 -->
    Format="HH:mm"
    TextColor="Black"
    Margin="10"
    x:Name="MyTimePicker"
/>
```

16. WebView

```
<WebView
    Source="{Binding WebUrl}" <!-- 网页地址 -->
    HeightRequest="300"
    WidthRequest="400"
    Margin="10"
    x:Name="MyWebView"
/>
```

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17. Frame

```
<Frame
  CornerRadius="10"           <!-- 10px  -->
  HasShadow="True"           <!-- 10px  -->
  BorderColor="Gray"
  BackgroundColor="White"
  Padding="10"
  Margin="10"
  x:Name="MyFrame">
  <Label Text="Frame" />
</Frame>
```

18. Border MAUI 10px

```
<Border
  Stroke="Red"                 <!-- 10px  -->
  StrokeThickness="2"         <!-- 10px  -->
  StrokeShape="RoundRectangle 8" <!-- 10px  -->
  Background="LightYellow"
  Margin="10"
  x:Name="MyBorder">
  <Label Text="Border" />
</Border>
```

19. Expander

```
<Expander
  IsExpanded="{Binding IsExpanded, Mode=TwoWay}" <!-- 10px  -->
  Margin="10"
  x:Name="MyExpander">
  <Expander.Header>
    <Label Text="Header" />
  </Expander.Header>
  <Label Text="Content" />
</Expander>
```

20. 10px

10px	10px
Margin	10px
Padding	10px

属性名	属性値
BackgroundColor	色指定
Opacity	透明度
IsVisible	表示可否
IsEnabled	操作可否
WidthRequest	幅指定
HeightRequest	高さ指定
HorizontalOptions	横方向の配置オプション
VerticalOptions	縦方向の配置オプション
AutomationId	自動化ID
x:Name	名前指定