

Magnifier



zoom-in on content





What is the Magnifier ?

The Magnifier widget in Flutter allows you to create a magnifying glass effect for a specific **part of** your UI. It is useful when you want to **zoom in** on text, images, or any other content.





1- Create CustomMagnifier Widget

```
● ● ●  
1 class CustomMagnifier extends StatefulWidget {  
2   final Size size;  
3   final double scale;  
4   final Widget? child;  
5  
6   const CustomMagnifier({super.key, required this.size, required this.scale, this.child});  
7  
8   @override  
9   State<CustomMagnifier> createState() => _CustomMagnifierState();  
10 }  
11  
12 class _CustomMagnifierState extends State<CustomMagnifier> {  
13   Offset dragGesturePosition = Offset.zero;  
14  
15   @override  
16   Widget build(BuildContext context) {  
17     return Padding(  
18       padding: const EdgeInsets.symmetric(vertical: 20),  
19       child: Stack(  
20         children: <Widget>[  
21           GestureDetector(  
22             onPanUpdate: (DragUpdateDetails details) {  
23               setState(() {  
24                 dragGesturePosition = details.localPosition;  
25               });  
26             },  
27             child: widget.child,  
28           ),  
29           if (dragGesturePosition != Offset.zero)  
30             Positioned(  
31               left: dragGesturePosition.dx,  
32               top: dragGesturePosition.dy,  
33               child: RawMagnifier(  
34                 decoration: const MagnifierDecoration(  
35                   shape: CircleBorder(  
36                     side: BorderSide(color: Colors.blueAccent, width: 3),  
37                   ),  
38                   ),  
39                   size: widget.size,  
40                   magnificationScale: widget.scale,  
41                   ),  
42             ),  
43           ],  
44         ),  
45       );  
46     }  
47 }
```





Ex: Magnifier for an Image

```
1 CustomMagnifier(  
2             size: const Size(100, 100),  
3             scale: 2,  
4             child: Image.network(  
5                 'https://farm2.staticflickr.com/1533/26541536141_41abe98db3_z_d.jpg',  
6                 width: double.infinity,  
7                 height: 300,  
8                 fit: BoxFit.cover,  
9             ),  
10         ),
```

Image Magnifier





Ex: Magnifier for Text



```
1 const CustomMagnifier(  
2           size: Size(80, 80),  
3           scale: 1.5,  
4           child: Text(  
5             'Drag to magnify this text! Drag to magnify this text! Dra  
6             style: TextStyle(fontSize: 20),  
7             textAlign: TextAlign.center,  
8           ),  
9           ),
```

Text Magnifier

Drag to magnify this text! Drag to magnify this text!

magnify this text! 😊





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THANK YOU



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