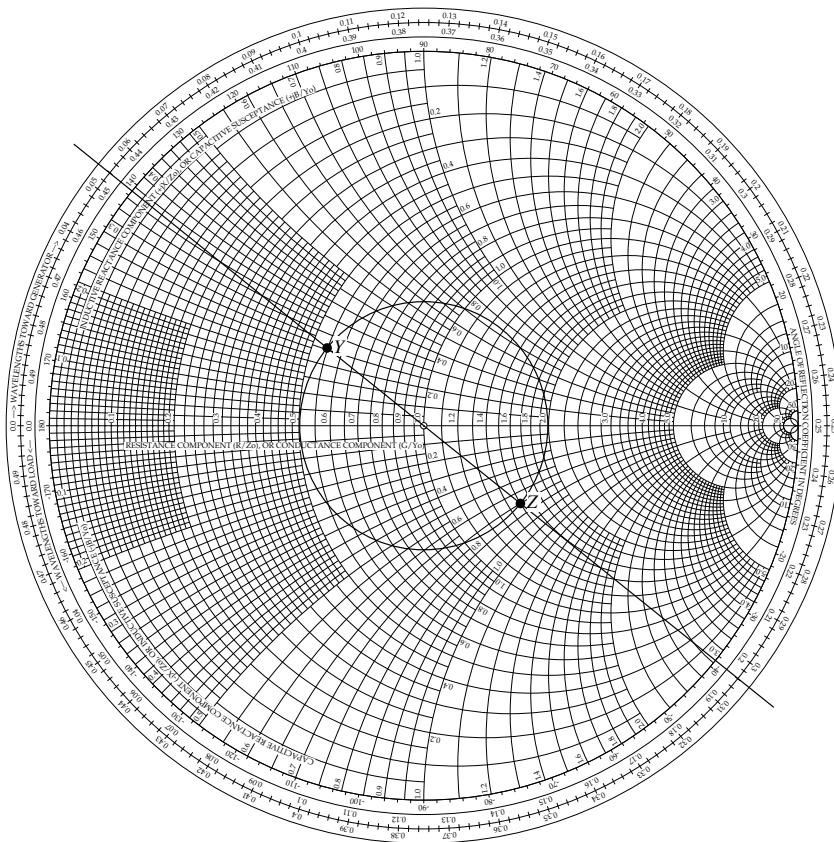


**2.57** Use the Smith chart to find  $y_L$  if  $z_L = 1.5 - j0.7$ .



**Figure P2.57:** Solution of Problem 2.57.

**Solution:** Refer to Fig. P2.57. The point Z represents  $1.5 - j0.7$ . The reciprocal of point Z is at point Y, which is at  $0.55 + j0.26$ .