

## Calculate Yield to Maturity

The rate of return anticipated on a bond if it is held until the maturity date.

Par Value:

Market Value:

Annual Rate:  %

Maturity in Years:

Payments: ☐ Quarterly  
☐ Semi - Annually  
☒ Annually

**Calculate**

Yield to Maturity: 9.56%

```
C:\Users\skyhb\Desktop\python2020>python homework2.py
bond_price:950
bond_par_value:1000
coupon_rate(%):8
years_to_maturity:4
payment_per_year:1
ytm is: 0.09487179487179487
time 1 spot_rate is: 0.09487179487179498
time 2 spot_rate is: 0.19874424720578587
time 3 spot_rate is: 0.3124712655304376
time 4 spot_rate is: 0.4369877702089664
at time 0 forward_rate to 1 0.19874424720578587
at time 1 forward_rate to 2 0.4369877702089664
at time 2 forward_rate to 3 0.7225808228430683
```

## CALCULATOR

Enter the following details:

Duration of spot rate:  (years)

Price of  year unit zero-coupon bond:

**CALCULATE**

**CLEAR**

year spot rate of interest:

year spot force of interest: