# Understanding Fixed Income 

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Interest rates have covered an incredible amount of territory over the past 60 years. The yield of the 10 -year U.S. Treasury Note has offered investors yields ranging from $15.32 \%$ to $0.68 \%$.

As investors, we consider the income component to be an important part of a typical portfolio asset allocation. The certainty of the annual income and return of the invested funds provide a sense of safety and security. Investments in bonds also provide protection in contrast to more volatile investments like equities, which provide growth in assets, but with more uncertain returns.

The chart below illustrates the significant range of annual income an investor could receive from investments in a 10-year U.S. Treasury Note.

Consider investing $\$ 100,000$ at the yield rate of $3.72 \%$ in June 2023. This investment would provide $\$ 3,720$ of income for 10 years, totaling $\$ 37,200$, as well as the return your investment of $\$ 100,000$. On the other hand, the same $\$ 100,000$ investment invested at the mid2020 lowpoint of $0.68 \%$ would provide just $\$ 680$ of income for 10 years, totaling $\$ 6,800$ and the return of your $\$ 100,000$ investment. That's quite a difference in total income following just two years of rate increases.

What causes such extreme differences in interest rates? There are many economic and monetary factors that influence interest rates, but most powerful is the Federal Reserve Board (Fed). As the central banking authority of the U.S., the Fed controls the monetary system through
a network of 12 Reserve Banks. The significant rise or fall in interest rates over the past 60 years was primarily driven by the Fed's actions in response to potential financial crises.

## What is fixed income?

Fixed income refers to low-risk
investments that offer a predetermined
(or "fixed") return rate for a set period.
For a 10-year Treasury Note, the investor
would receive a set return amount
each year for a 10-year span. In
addition to this annual income, the
investor receives their original
investment at the end of the term.
©〇 Early 1980s
The Fed raised interest rates in reaction to the significant increase in inflation due to large increases in gas
16 and energy prices in the late 1970 s. 14 The subsequent 40-year decline in 14 interest rates was unexpected.

## 2008

In contrast, reacting to the '08 great recession, the Fed reduced interest rates to near historical lows. Interest rates remained at these lower levels for many years.

2020
The Fed again drove interest rates to what now are the historical lows, due to the unexpected impact of a pandemic. Just as professional investors didn't anticipate interest rates of $15 \%$, they didn't anticipate interest rates of zero-and certainly not the negative interest rates experienced in some countries.

## 2022

Again in response to rapidly rising inflation, the Fed began raising interest rates, which reached $5.50 \%$ in July 2023.

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