

Stock Valuation Measures: S&P 500 Index

U.S. Equity: Valuation Measures

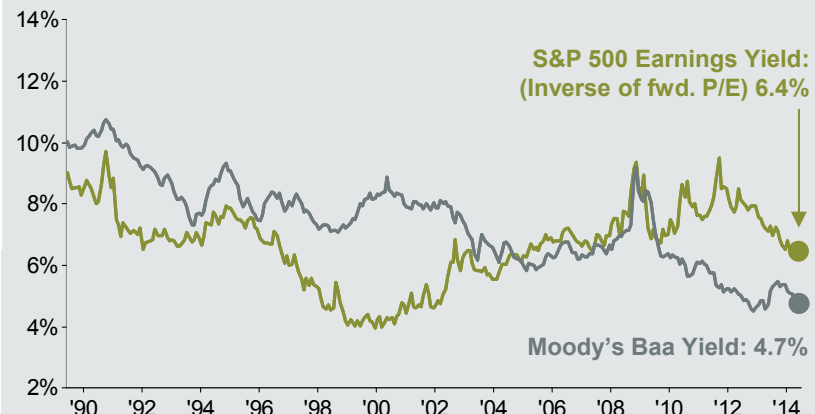
Historical Averages

Valuation Measure	Description	Latest	1-year ago	5-year avg.	10-year avg.	25-year avg.*
P/E	Price to Earnings	15.6x	13.8x	13.4x	13.8x	15.5x
CAPE	Shiller's P/E	25.6	24.4	21.7	22.9	25.1
Div. Yield	Dividend Yield	1.9%	2.0%	2.0%	2.0%	2.1%
PEG	Price/Earnings to Growth	1.5	0.8	1.1	1.7	1.4
P/B	Price to Book	2.8	2.6	2.2	2.4	2.9
P/CF	Price to Cash Flow	11.0	10.3	8.9	9.5	10.6
EY Spread	EY Minus Baa Yield	1.7%	1.5%	2.0%	1.2%	-0.7%

S&P 500 Index: Forward P/E Ratio



S&P 500 Earnings Yield vs. Baa Bond Yield



Source: Standard & Poor's, FactSet, Robert Shiller Data, FRB, J.P. Morgan Asset Management. Price to Earnings is price divided by consensus analyst estimates of earnings per share for the next 12 months. Shiller's P/E uses trailing 10-years of inflation adjusted earnings as reported by companies. Dividend Yield is calculated as the trailing 12-month average dividend divided by price. Price/Earnings to Growth Ratio is calculated as NTM P/E divided by NTM earnings growth. Price to Book Ratio is the price divided by book value per share. Price to Cash Flow is price divided by NTM cash flow. EY Minus Baa Yield is the forward earnings yield (consensus analyst estimates of EPS over the next 12 months divided by price) minus the Moody's Baa seasoned corporate bond yield. *P/CF is a 20-year avg. due to cash flow data availability. Latest reflects data as of 6/30/14. Guide to the Markets – U.S. Data are as of 6/30/14.