Daily Note Markets through the lens of ETFs™

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U.S. Size & Style

S&P 500



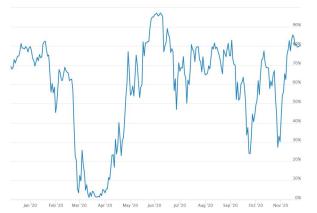




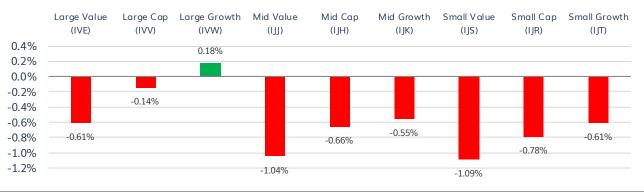




Holdings Above 50 DMA (SPY)



U.S. Size & Style 1-Day Performance



1-Day Leaders

Ticker	Name	Return
ENTR	ERShares Entrepreneur 30 ETF	2.21%
FPX	First Trust US Equity Opportunities ETF	1.68%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	1.54%
NUMG	Nuveen ESG Mid-Cap Growth ETF	1.29%
MTUM	iShares Edge MSCI USA Momentum Factor ETF	1.10%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	1.08%
ЈКН	iShares Morningstar Mid-Cap Growth ETF	0.96%
AIEQ	AI Powered Equity ETF	0.91%
FDMO	Fidelity Momentum Factor ETF	0.85%
VOT	Vanguard Mid-Cap Growth ETF	0.82%
FTC	First Trust Large Cap Growth AlphaDEX Fund	0.78%
	1 Day Laggards	

1-Day Laggards

RZV Invesco S&P Smallcap 600 Pure Value ETF -1.759 XMVM Invesco S&P MidCap Value with Momentum ETF -1.609 RDIV Invesco S&P Ultra Dividend Revenue ETF -1.449 SMDV ProShares Russell 2000 Dividend Growers ETF -1.379 FYT First Trust Small Cap Value AlphaDEX Fund -1.369 SPHB Invesco S&P 500 High Beta ETF -1.299 WBIY WBI Power Factor High Dividend ETF -1.289	Ticker	Name	Return
XMVM Invesco S&P MidCap Value with Momentum ETF -1.609 RDIV Invesco S&P Ultra Dividend Revenue ETF -1.449 SMDV ProShares Russell 2000 Dividend Growers ETF -1.379 FYT First Trust Small Cap Value AlphaDEX Fund -1.369 SPHB Invesco S&P 500 High Beta ETF -1.299 WBIY WBI Power Factor High Dividend ETF -1.289	RPV	Invesco S&P 500 Pure Value ETF	-1.75%
RDIV Invesco S&P Ultra Dividend Revenue ETF -1.449 SMDV ProShares Russell 2000 Dividend Growers ETF -1.379 FYT First Trust Small Cap Value AlphaDEX Fund -1.369 SPHB Invesco S&P 500 High Beta ETF -1.299 WBIY WBI Power Factor High Dividend ETF -1.289	RZV	Invesco S&P Smallcap 600 Pure Value ETF	-1.75%
SMDV ProShares Russell 2000 Dividend Growers ETF -1.379 FYT First Trust Small Cap Value AlphaDEX Fund -1.369 SPHB Invesco S&P 500 High Beta ETF -1.299 WBIY WBI Power Factor High Dividend ETF -1.289	XMVM	Invesco S&P MidCap Value with Momentum ETF	-1.60%
FYT First Trust Small Cap Value AlphaDEX Fund -1.36% SPHB Invesco S&P 500 High Beta ETF -1.29% WBIY WBI Power Factor High Dividend ETF -1.28%	RDIV	Invesco S&P Ultra Dividend Revenue ETF	-1.44%
SPHB Invesco S&P 500 High Beta ETF -1.299 WBIY WBI Power Factor High Dividend ETF -1.289	SMDV	ProShares Russell 2000 Dividend Growers ETF	-1.37%
WBIY WBI Power Factor High Dividend ETF -1.28%	FYT	First Trust Small Cap Value AlphaDEX Fund	-1.36%
	SPHB	Invesco S&P 500 High Beta ETF	-1.29%
	WBIY	WBI Power Factor High Dividend ETF	-1.28%
RFV Invesco S&P Midcap 400 Pure Value ETF -1.269	RFV	Invesco S&P Midcap 400 Pure Value ETF	-1.26%
ONEY SPDR Russell 1000 Yield Focus ETF -1.24%	ONEY	SPDR Russell 1000 Yield Focus ETF	-1.24%
CSB VictoryShares US Small Cap High Div Volatility Wtd ETF -1.239	CSB	VictoryShares US Small Cap High Div Volatility Wtd ETF	-1.23%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
KOMP	SPDR S&P Kensho New Economies Composite ETF	79.52
VXF	Vanguard Extended Market ETF	77.79
IWC	iShares Micro-Cap ETF	75.91
NUSC	Nuveen ESG Small-Cap ETF	73.93
GURU	Global X Guru Index ETF	73.80
RYJ	Invesco Raymond James SB-1 Equity ETF	73.23
ESML	iShares ESG MSCI USA Small Cap ETF	73.04
IWM	iShares Russell 2000 ETF	73.01
SCHA	Schwab U.S. Small-Cap ETF	72.94
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	72.85
SYLD	Cambria Shareholder Yield ETF	72.67

Most Oversold (14-Day RSI)

Ticker	Name	RSI
DIVC	C-Tracks ETN Miller/Howard Strategic Dividend Reinvestor	50.74
SPMO	Invesco S&P 500 Momentum ETF	52.18
SPLV	Invesco S&P 500 Low Volatility ETF	52.18
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	53.66
FTHI	First Trust BuyWrite Income ETF	54.13
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	54.31
PWB	Invesco Dynamic Large Cap Growth ETF	54.41
ACIO	Aptus Collared Income Opportunity ETF	55.08
FFTY	Innovator IBD 50 ETF	55.95
HUSV	First Trust Horizon Managed Volatility Domestic ETF	55.97
QGRO	American Century STOXX U.S. Quality Growth ETF	57.11

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U.S. Sectors & Industries

S&P Sector & Industry 1-Day Performance

Software & Svcs (XSW)	1.70%
Internet (XWEB)	1.68%
Biotech (XBI)	0.60%
Utilities (XLU)	0.26%
Real Estate (XLRE)	0.24%
Technology (XLK)	0.21%
Cons Discretionary (XLY)	0.12%
Telecom (XTL)	0.04%
Capital Mkts (KCE)	0.00%
Comm Svcs (XLC)	-0.02%
Cons Staples (XLP)	-0.06%
S&P 500 (SPY)	-0.15%
Retail (XRT)	-0.16%
Homebuilders (XHB)	-0.33%
Financials (XLF)	-0.35%
Aerospace & Defense (XAR)	-0.36%
Health Care (XLV)	-0.37%
Semiconductor (XSD)	-0.38%
Pharmaceuticals (XPH)	-0.42%
Transportation (XTN)	-0.45%
Metals & Minging (XME)	-0.50%
Health Care Svcs (XHS)	-0.63%
Industrial (XLI)	-0.76%
Health Care Equipment (XHE)	-1.03%
Materials (XLB)	-1.04%
Insurance (KIE)	-1.20%
Banks (KBE)	-1.46%
Oil & Gas Expl. & Prod (XOP)	-1.51%
Regional Banking (KRE)	-1.53%
Oil & Gas Equip. & Svcs (XES)	-1.73%
Energy (XLE)	-2.33%
	3.0% 2.5% 1.5% 0.5% 0.5% 2.0% 2.0% 2.0%

	1.70%
	1.68%
	0.60%
	0.26%
	0.24%
	0.21%
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6%	
1%	
3%	
%	
0% 5% 5%	.5% .5% .0% .0%

Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W	% From 52W	% Abv/Below 50	% Abv/Below	RSI (14D)
Tieker	Tund Hund	High	Low	SMA	200 SMA	Kor(11D)
XLY	Consumer Discretionary Select Sector SPDR Fund	0.00%	80.54%	5.09%	20.68%	63.69
XLC	Communication Services Select Sector SPDR Fund	-0.02%	62.13%	6.66%	17.69%	64.59
XLI	Industrial Select Sector SPDR Fund	-0.76%	82.43%	10.07%	24.11%	67.42
XLB	Materials Select Sector SPDR Fund	-1.04%	86.02%	7.95%	22.87%	63.62
XLP	Consumer Staples Select Sector SPDR Fund	-1.79%	37.63%	2.96%	9.35%	58.65
XLV	Health Care Select Sector SPDR Fund	-3.28%	45.32%	1.50%	6.90%	49.87
XLK	Technology Select Sector SPDR Fund	-3.95%	73.31%	3.61%	17.53%	57.29
XLF	Financial Select Sector SPDR Fund	-8.37%	61.72%	13.12%	19.09%	70.96
XLU	Utilities Select Sector SPDR Fund	-9.27%	43.33%	2.56%	7.68%	51.79
XLRE	Real Estate Select Sector SPDR Fund	-12.02%	44.89%	2.65%	5.36%	55.44
XLE	Energy Select Sector SPDR Fund	-36.49%	67.03%	24.46%	10.96%	70.65

1-Day Leaders

Ticker	Name	Return
XITK	SPDR FactSet Innovative Technology ETF	2.56%
PTF	Invesco DWA Technology Momentum ETF	1.90%
XSW	SPDR S&P Software & Services ETF	1.70%
SKYY	First Trust Cloud Computing ETF	1.50%
FDN	First Trust Dow Jones Internet Index Fund	1.39%
PSJ	Invesco Dynamic Software ETF	1.33%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	1.04%
BIZD	VanEck Vectors BDC Income ETF	0.98%
FXL	First Trust Technology AlphaDEX Fund	0.92%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR E	0.80%
SBIO	ALPS Medical Breakthroughs ETF	0.77%

1-Day Laggards

Ticker	Name	Return
IYE	iShares U.S. Energy ETF	-2.38%
XLE	Energy Select Sector SPDR Fund	-2.33%
VDE	Vanguard Energy ETF	-2.16%
FENY	Fidelity MSCI Energy Index ETF	-2.06%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-1.88%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-1.78%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.73%
KBWR	Invesco KBW Regional Banking ETF	-1.66%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.61%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.55%
KRE	SPDR S&P Regional Banking ETF	-1.53%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	82.54
BIZD	VanEck Vectors BDC Income ETF	79.62
PSCT	Invesco S&P SmallCap Information Technology ETF	77.10
XES	SPDR S&P Oil & Gas Equipment & Services ETF	76.29
XRT	SPDR S&P Retail ETF	76.18
IAI	iShares U.S. Broker-Dealers & Securities Exchanges ETF	76.10
IEZ	iShares U.S. Oil Equipment & Services ETF	75.95
FCG	First Trust Natural Gas ETF	75.14
FXN	First Trust Energy AlphaDEX Fund	74.66
AMJ	J.P. Morgan Alerian MLP Index ETN	74.46
MLPB	ETRACS Alerian MLP Infrastructure Index ETN Series B	74.39

Most Oversold (14-Day RSI)

Ticker	- Name	RSI
MLPC	C-Tracks Miller/Howard MLP Fundamental Index ETN	40.61
IHI	iShares U.S. Medical Devices ETF	44.38
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR E	45.71
PTH	Invesco DWA Healthcare Momentum ETF	46.77
XLV	Health Care Select Sector SPDR Fund	49.87
FBT	First Trust NYSE Arca Biotechnology Index Fund	50.09
FXH	First Trust Health Care AlphaDEX Fund	50.19
IYH	iShares U.S. Healthcare ETF	50.52
XLU	Utilities Select Sector SPDR Fund	51.79
VHT	Vanguard Health Care ETF	52.11
RYH	Invesco S&P 500 Equal Weight Health Care ETF	52.15

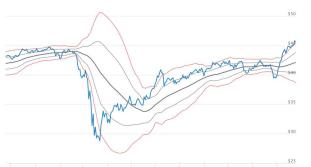
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Developed ex-U.S. Equity Markets

Dev ex-U.S. (VEA)



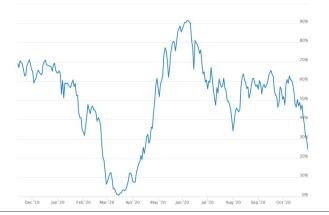












Top 10 Dev ex-U.S. Countries' 1-Day Performance



1-Day Leaders

Global X MSCI Greece ETF	
GIODALA MISCI GIECCE ETF	2.08%
VictoryShares International High Div Volatility Wtd ETF	1.92%
VictoryShares International Volatility Wtd ETF	1.17%
Shares MSCI Sweden ETF	0.73%
Shares MSCI Italy ETF	0.66%
Shares MSCI Denmark ETF	0.57%
Shares MSCI Ireland ETF	0.53%
Alpha Architect International Quantitative Momentum ETF	0.34%
Shares MSCI New Zealand ETF	0.33%
Wisdom Tree Europe Hedged SmallCap Equity Fund	0.33%
VanEck Vectors Israel ETF	0.31%
	VictoryShares International High Div Volatility Wtd ETF VictoryShares International Volatility Wtd ETF Shares MSCI Sweden ETF Shares MSCI Italy ETF Shares MSCI Denmark ETF Shares MSCI Ireland ETF Alpha Architect International Quantitative Momentum ETF Shares MSCI New Zealand ETF VisdomTree Europe Hedged SmallCap Equity Fund

1-Day Laggards

Ticker	Name	Return
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-1.94%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.82%
SCJ	iShares MSCI Japan Small-Cap ETF	-1.75%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-1.43%
FJP	First Trust Japan AlphaDEX Fund	-1.30%
DXJ	WisdomTree Japan Hedged Equity Fund	-1.16%
HEWU	iShares Currency Hedged MSCI United Kingdom ETF	-1.01%
IVAL	Alpha Architect International Quantitative Value ETF	-0.96%
FLJP	Franklin FTSE Japan ETF	-0.85%
EWY	iShares MSCI South Korea ETF	-0.84%
BBJ₽	JPMorgan BetaBuilders Japan ETF	-0.84%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
EWO	iShares MSCI Austria ETF	81.06
EWS	iShares MSCI Singapore ETF	78.91
EWA	iShares MSCI Australia ETF	78.32
IDV	iShares International Select Dividend ETF	77.66
EWI	iShares MSCI Italy ETF	77.57
CID	VictoryShares International High Div Volatility Wtd ETF	77.50
IDOG	ALPS International Sector Dividend Dogs ETF	77.49
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	77.10
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	77.05
EWP	iShares MSCI Spain ETF	76.71
EPP	iShares MSCI Pacific ex-Japan ETF	76.53

Most Oversold (14-Day RSI)

Ticker	Name	RSI
PIZ	Invesco DWA Developed Markets Momentum ETF	50.96
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	52.23
DFJ	WisdomTree Japan SmallCap Dividend Fund	52.34
SCJ	iShares MSCI Japan Small-Cap ETF	55.53
EDEN	iShares MSCI Denmark ETF	56.62
IMTM	iShares Edge MSCI Intl Momentum Factor ETF	58.24
EWL	iShares MSCI Switzerland ETF	58.98
IMOM	Alpha Architect International Quantitative Momentum ETF	59.23
IHDG	WisdomTree International Hedged Quality Dividend Growth F	60.63
FJP	First Trust Japan AlphaDEX Fund	62.36
HEWG	iShares Currency Hedged MSCI Germany ETF	63.56

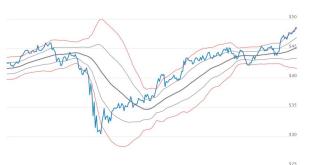
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EM & Frontier Equity Markets

Emerging (VWO)



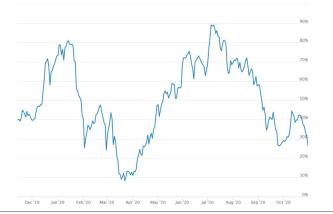




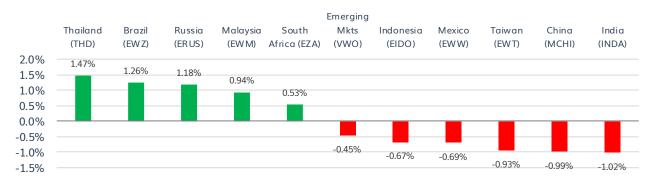




Holdings Above 50 DMA (VWO)



Top 10 EM Countries' 1-Day Performance



1-Day Leaders

Ticker	Name	Return
BRF	VanEck Vectors Brazil Small-Cap ETF	2.09%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.03%
FBZ	First Trust Brazil AlphaDEX Fund	1.59%
THD	iShares MSCI Thailand ETF	1.47%
EWZ	iShares MSCI Brazil ETF	1.26%
TUR	iShares MSCI Turkey ETF	1.20%
ERUS	iShares MSCI Russia ETF	1.18%
FLBR	Franklin FTSE Brazil ETF	1.13%
FM	iShares MSCI Frontier 100 ETF	0.97%
EWM	iShares MSCI Malaysia ETF	0.94%
PAK	Global X MSCI Pakistan ETF	0.91%

1-Day Laggards

Ticker	Name	Return
GLIN	VanEck Vectors India Small-Cap Index ETF	-1.89%
FNI	First Trust Chindia ETF	-1.62%
GLCN	VanEck Vectors ChinaAMC CSI 300 ETF USD	-1.57%
EPHE	iShares MSCI Philippines ETF	-1.51%
VNM	VanEck Vectors Vietnam ETF	-1.35%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.28%
KBA	KraneShares Bosera MSCI China A Share ETF	-1.20%
INDY	iShares India 50 ETF	-1.16%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.14%
CNYA	iShares MSCI China A ETF	-1.11%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	-1.08%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
TLTE	FlexShares Morningstar Emerging Markets Factor Tilt Index	78.99
THD	iShares MSCI Thailand ETF	77.56
BICK	First Trust BICK Index Fund	76.90
EWX	SPDR S&P Emerging Markets Small Cap ETF	76.51
DVYE	iShares Emerging Markets Dividend ETF	76.19
GXG	Global X MSCI Colombia ETF	76.07
FNDE	Schwab Fundamental Emerging Markets Large Co. Index ET	75.85
EEMS	iShares MSCI Emerging Markets Small Cap ETF	75.62
РХН	Invesco FTSE RAFI Emerging Markets ETF	74.90
EWW	iShares MSCI Mexico ETF	74.54
DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	74.42

Most Oversold (14-Day RSI)

Ticker	Name	RSI
GLCN	VanEck Vectors ChinaAMC CSI 300 ETF USD	48.24
PAK	Global X MSCI Pakistan ETF	52.01
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	55.60
KBA	KraneShares Bosera MSCI China A Share ETF	56.51
MCHI	iShares MSCI China ETF	57.05
CNYA	iShares MSCI China A ETF	57.27
GXC	SPDR S&P China ETF	58.12
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	58.47
FXI	iShares China Large-Cap ETF	58.69
GLIN	VanEck Vectors India Small-Cap Index ETF	58.76
PIE	Invesco DWA Emerging Markets Momentum ETF	59.16

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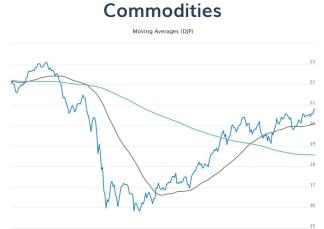


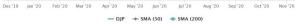
Fixed Income





Ticker	Name	1-Day	1-M	YTD
AGG	U.S. Aggregate	-0.03%	0.67%	7.06%
SHY	1-3 Year Treasury Bonds	0.01%	0.02%	2.97%
IEF	7-10 Year Treasury Bonds	0.03%	-0.16%	10.01%
TLT	20+ Year Treasury Bonds	-0.31%	0.53%	18.62%
TIP	TIPS Bonds	0.17%	0.35%	9.24%
FLOT	Floating Rate Bonds	0.00%	0.14%	0.84%
LQD	Investment Grade Corporate	0.06%	2.36%	10.03%
HYG	High Yield Corporate	-0.05%	2.09%	2.41%
BKLN	Senior Loan	0.18%	1.76%	-0.09%
PFF	Preferred & Income Securities	-0.05%	2.26%	5.20%
MUB	Municipal Bonds	0.02%	1.53%	4.44%
MBB	MBS	-0.04%	0.09%	3.87%
EMB	Dollar Denominated EM Bonds	-0.08%	3.19%	3.06%
LEMB	Local Currency EM Bonds	0.34%	3.54%	-0.11%





Ticker	Name	1-Day	1-M	YTD
DJP	Broad Commodities	0.14%	1.86%	-8.93%
DBE	Energy	1.36%	10.23%	-28.57%
USO	WTI Crude Oil	1.85%	12.52%	-69.39%
BNO	Brent Crude Oil	1.68%	15.19%	-41.82%
UNG	Natural Gas	2.10%	-11.65%	-36.60%
UGA	Gasoline	1.79%	13.02%	-32.53%
DBP	Precious Metals	0.06%	-5.81%	18.83%
GLD	Gold	-0.05%	-5.11%	18.62%
SLV	Silver	0.42%	-5.32%	30.22%
PPLT	Platinum	0.78%	6.73%	-0.25%
PALL	Palladium	-0.81%	-2.52%	19.76%
DBB	Base Metals	0.00%	6.57%	12.99%
CPER	Copper	-0.02%	5.87%	17.39%
LD	Lead	0.30%	15.14%	0.90%
JJN	Nickel	-0.49%	2.93%	12.12%
JJU	Aluminum	-0.60%	7.29%	4.19%
JJT	Tin	2.03%	1.86%	10.68%
DBA	Agriculture	-0.58%	3.61%	-6.52%
CORN	Corn	-0.91%	2.60%	-4.19%
SOYB	Soybeans	-0.77%	9.06%	13.27%
WEAT	Wheat	-3.08%	-5.29%	-0.60%
CANE	Sugar	-0.93%	0.31%	-8.83%
BAL	Cotton	-0.59%	-0.43%	1.88%
NIB	Cocoa	-1.57%	9.83%	12.33%
JO	Coffee	0.68%	8.43%	-17.11%





Ticker	Name	1-Day	1-M	YTD
UUP	Long Dollar	-0.16%	-0.92%	-4.47%
UDN	Short Dollar	0.31%	0.80%	4.05%
FXE	Euro	0.26%	0.46%	5.46%
FXB	British Pound Sterling	0.23%	2.65%	0.80%
FXF	Swiss Franc	0.32%	-0.52%	5.56%
FXY	Japanese Yen	0.01%	0.22%	3.51%
FXC	Canadian Dollar	0.03%	1.01%	-0.21%
FXA	Australian Dollar	0.06%	3.10%	4.66%

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Source Data

FactSet Research Systems



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- team@etfaction.com
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