

An LSEG Business

Performance Insights

MONTHLY REPORT – OCTOBER 2023 | LOCAL CURRENCY EDITION

FOR PROFESSIONAL INVESTORS ONLY

Stock rally sputters in Q3 as hopes for early rate relief evaporate

Global stocks ended Q3 in retreat, trimming year-to-date advances, as central banks (led by the Fed) vowed to maintain their fight against inflation, dampening hopes for a policy pivot any time soon and eroding 'soft landing' optimism. Energy and financials were among a few industries to make a positive contribution, while defensives and growth-tilted sectors suffered the biggest declines.

Global Asset Classes - 'Soft landing' optimism fades

Most equity markets finished Q3 with losses, as government bond yields surged. Oil prices soared on OPEC-induced supply concerns, but copper and other commodities fell amid renewed global growth worries. The gold rally also lost steam. (page 3)

Global Equities - UK & Japan fare best; US small caps suffer major sell-off

Stocks in the UK and Japan ended Q3 higher, while peers elsewhere fell, particularly in Europe and the US. US small caps did worst of all. YTD, Japan and the US remained the top performers, while Asia Pacific and the Emerging index ranked at the bottom. (page 4)

Industry returns - Energy stocks ride the oil-price boom

Energy and financials were among the few bright spots in most markets; defensives and growth-heavy groups fared the worst. (page 5)

Alternative Indices - Broad underperformance

Environmental Opportunities lagged in Q3, hurt by energy-stock outperformance, while Core Infrastructure and most regional REITs also underperformed, weighed down by surging interest rates. FTSE4Good generally outperformed. (page 8)

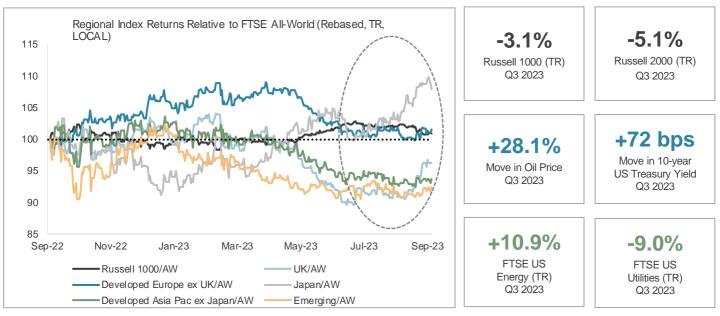
Factor performance – Value takes the prize

Value and Yield were the best performers globally, buoyed by outperforming energy & financial stocks. Low Vol also held its own. (page 9)

Foreign Exchange - US dollar regains footing

Surging US Treasury yields drove a broad-based rally in the US dollar in Q3, particularly vs the pound sterling, yen and euro. However, some commodity-sensitive currencies (notably the Norwegian krone and South African rand) held up relatively well. (page 10)

Appendix - Asset Class Risk/Returns (3-Year and 5-Year Annualised), Correlation, Regional Performance and Country Exposures.



Source: FTSE Russell and LSEG. Data as of September 30, 2023. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Q3 Highlights

Most equity markets ended Q3 in the red, as slowing progress in taming inflation, soaring oil prices and continued hawkish central-bank rhetoric stoked 'higher for longer' interest-rate fears and eroded 'soft landing' hopes. The prospects of a possible US government shutdown added to investor nervousness in late September.

Long government bond markets also ended Q3 broadly lower, while high-yield credit held up better than investment grade equivalents. Ten-year government yields continued to surge in September, hitting new year-to-date highs in the US and Eurozone. Yield curves remained inverted across the largest developed markets but flattened significantly as yields rose more at the long end than at the short end.

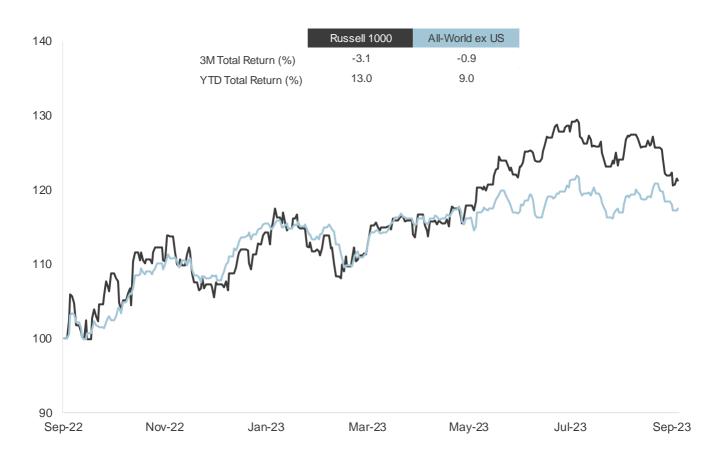
The US dollar eked out further gains against most major currencies in September, extending its rally for the quarter, particularly vs the pound sterling, yen and euro. Commodity-sensitive currencies fared best vs the USD in September, particularly the New Zealand and Canadian dollars and Norwegian krone (also see page 10).

Oil prices soared in Q3, while copper and other commodity prices weakened amid China growth worries. The gold rally continued to lose traction as officials at developed market central banks remained steadfast in their goal to get inflation back to target.

Main Market-Moving Events in September

- US unemployment rises to 3.8% (Aug) vs 3.5% (July); 187K jobs added; avg hourly wage growth slows to 4.3% YoY vs 4.4%.
- China's exports fall 8.8% (Aug) after 14.5% drop in July; imports fall 7.3% after 12.3% decline in prior month.
- German industrial production slips 0.8% (July), after downward revised 1.4% drop in June.
- United Auto Workers union launches targeted strikes against three US automakers.
- US headline CPI rises to 3.7% YoY (Aug) vs 3.2% (July); core eases to 4.3% vs 4.7%.
- Fed keeps rates unchanged; raises GDP growth forecasts for 2023 and 2024; lowers core PCE forecasts to 3.7% from 3.9% estimate in June; sees inflation hitting 2% target in 2026.
- China CPI rises 0.1% YoY (Aug) vs drop of 0.3% in July.
- PBoC keeps benchmark rates unchanged, as expected, amid fresh signs of economic stabilization and weakening yuan.
- UK CPI slows to 6.7% YoY (Aug) vs 6.8% (July); core eases to 6.8% vs 6.9%.
- Eurozone CPI slips to 5.2% YoY (Aug) vs 5.3% (July); core at 5.3% vs 5.5%.
- BOE and Swiss National Bank leave policy rates unchanged.
- ECB adopts "dovish" 25 bps rate hike.
- September flash PMI composite output eases in the US to 50.1 vs 50.2 (August), to 46.8 vs 48.6 in the UK, to 51.8 vs 52.6 in Japan, and was flat at 47.1 vs 46.7 in the Eurozone.
- The US averts a government shutdown with short-term funding bill signed by President Biden on September 30.

Russell 1000 vs All-World ex US Indices (LOCAL, TR, Rebased)



Source: FTSE Russell. Data as of September 30, 2023. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Asset Class Returns - 3M & YTD (LC, TR %)

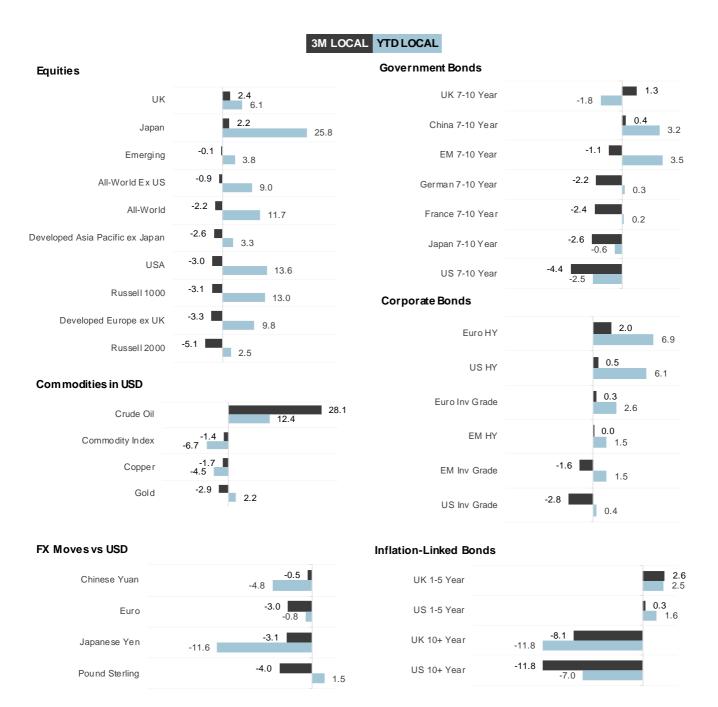
Key Observations - Third Quarter 2023

Most equity markets finished Q3 in the red as investors digested the likelihood of 'higher-for-longer' interest rates. The UK and Japan bucked the global downtrend, while stocks elsewhere fell, particularly in developed Europe and the US. US small caps did worse of all, significantly lagging their large-cap peers. The Emerging index was roughly flat for the period, bolstered mostly by strong rebounds in Pakistan and India. Japan and the US retained their YTD leadership, while Asia Pacific and EM ranked at the bottom (see page 4).

Government 7-10-year bonds broadly retreated in Q3 (except in the UK and China), led by a significant sell-off in US Treasuries. European and US high-yield bonds posted gains in Q3, outperforming their investment-grade and EM counterparts, which ended flat or sharply lower. Short-dated US and UK inflation-linked bonds rose, while longer-dated (10yr+) counterparts posted losses.

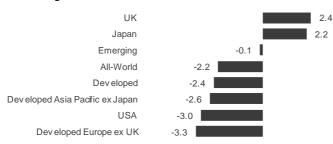
The US dollar rebounded against most major currencies in Q3, more than reversing July losses vs the pound sterling, yen and euro. Helped by renewed strength in September, however, the commodity-sensitive Norwegian krone and South African rand rose versus USD for the period. (also see page 10).

While oil price soared more than 28% in Q3 amid supply worries, copper and other commodities weakened as concerns about global demand increased. Gold reversed course in Q3, falling nearly 3% on the back of higher rate expectations.

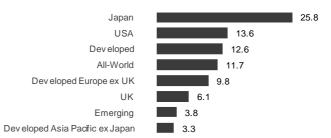


Source: FTSE Russell and LSEG. Data as of September 30, 2023. Equity markets data based on: FTSE All-World®, FTSE All-Share®, Russell 2000®, Russell 1000®, FTSE Europe ex UK, FTSE Japan, FTSE Developed Asia Pacific ex Japan and FTSE Emerging indices. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

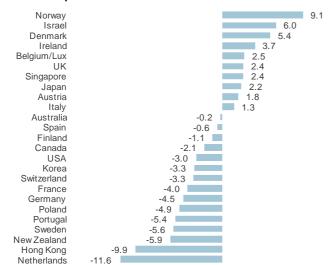
FTSE Regions 3M LOCAL



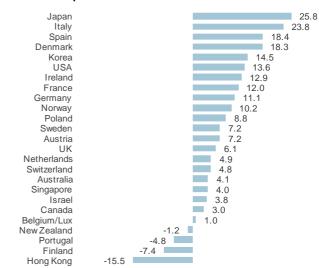
FTSE Regions YTDLOCAL



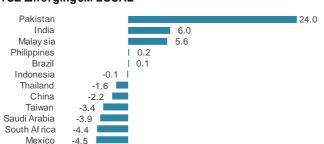
FTSE Developed 3M LOCAL



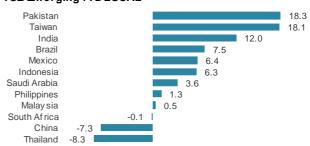
FTSE Developed YTD LOCAL



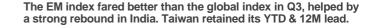
FTSE Emerging 3M LOCAL

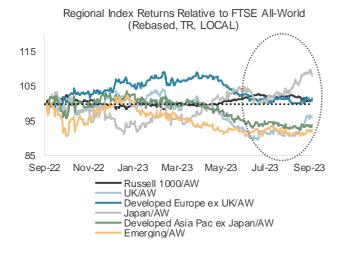


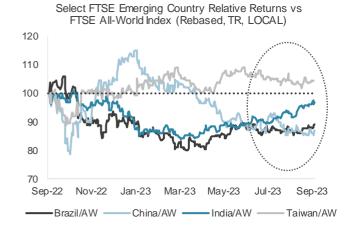
FTSE Emerging YTDLOCAL



The UK, Japan & EM beat the global index and peers in Q3, particularly in Europe and the US. Japan widened its 12M lead.





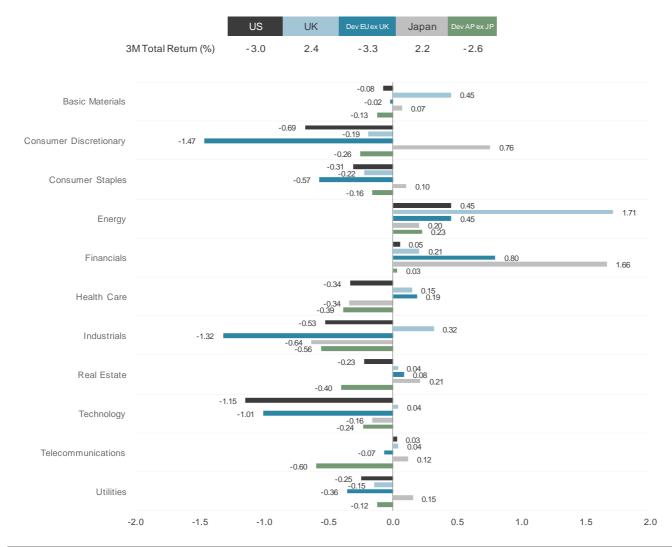


Source: FTSE Russell and LSEG. Data as of September 30, 2023. Equity markets data based on: FTSE All-World®, FTSE All-Share®, Russell 2000®, Russell 1000®, FTSE Europe ex UK, FTSE Japan, FTSE Developed Asia Pacific ex Japan and FTSE Emerging indices. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Regional Industry-Weighted Contributions to Returns – 3M (LC, TR %)

Key Observations - Third Quarter 2023

- Positive contributions from energy and financials were overwhelmed by deficits elsewhere, led by growth-tilted stock groups.
- In the US, small gains in energy and financials were more than offset by losses in technology, discretionary and industrials.
- In the UK, energy and materials contributed strongly, with losses coming only in staples, discretionary and utilities. In Europe, gains in financials and energy where overwhelmed by losses in other industries, led by discretionary, industrials and technology.
- Financials and discretionary led gains in Japan, offset by small deficits in industrials, health care and technology. In Asia Pacific, only financials and energy added value, while telecoms and industrials led the detractors.



Energy and financials were unscathed in the global Q3 rout; defensives and growth-tilted industries suffered most.

Tech dominates in the US; financials are largest in the UK, Europe and Asia Pac, and industrials is tops in Japan.

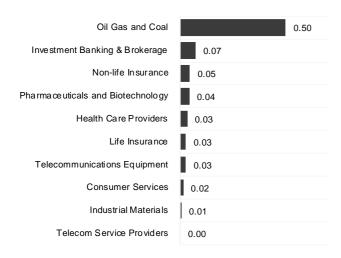
	Basic Materials			OCAL)		Re	egional Ir	ndustry Expo	sures (%	%)	
	US	UK	Dev EU ex UK	Japan	Dev AP ex JP		US	UK	Dev EU ex UK	Japan	Dev AP ex JP
Basic Materials	- 4.3	7.5	- 0.5	1.4	- 1.0	Basic Materials	1.7	8.1	4.5	5.0	12.8
Consumer Disc.	- 4.7	- 1.7	-10.3	3.3	- 2.9	Consumer Disc.	14.4	10.8	13.3	23.4	8.8
Consumer Staples	- 5.8	- 1.3	- 6.3	1.7	- 4.2	Consumer Staples	5.2	16.4	8.8	6.4	3.6
Energy	10.9	14.1	11.6	30.5	6.6	Energy	4.8	13.4	4.5	0.8	3.7
Financials	0.5	1.1	4.9	15.8	0.1	Financials	10.1	18.0	17.7	11.9	27.3
Health Care	- 2.6	1.1	1.2	- 3.9	- 6.4	Health Care	12.8	13.3	17.0	8.1	5.8
Industrials	- 4.5	2.5	- 7.4	- 2.4	- 5.6	Industrials	11.7	12.9	17.3	24.5	11.5
RealEstate	- 8.9	2.9	9.2	6.3	- 5.7	Real Estate	2.4	1.2	1.0	3.6	6.9
Technology	- 3.6	5.2	-10.5	- 1.5	- 3.8	Technology	31.9	8.0	8.9	10.7	5.1
Telecoms	1.3	3.1	- 2.3	2.9	- 5.0	Telecoms	2.4	1.3	3.1	4.1	11.5
Utilities	- 9.0	- 3.7	- 8.5	11.3	- 4.3	Utilities	2.6	3.8	4.0	1.5	2.9

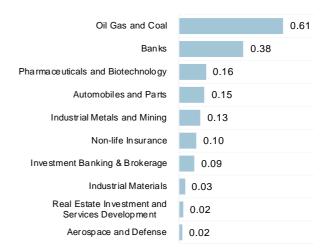
Source: FTSE Russell. All data as of September 30, 2023. Equity markets data based on: FTSE USA, FTSE UK, FTSE Europe ex UK, FTSE Japan and FTSE Developed Asia Pacific ex Japan indices and Industry Classification Benchmark (ICB®) industry groups. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

FTSE USA vs AW ex US: Sector-Weighted Return Contributions - 3M (LC, TR %)

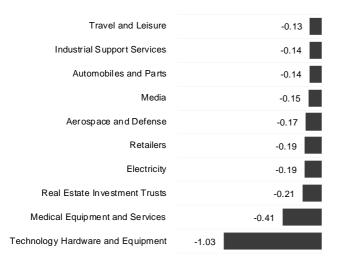
USA	All-World Ex US
-3.0	-0.9

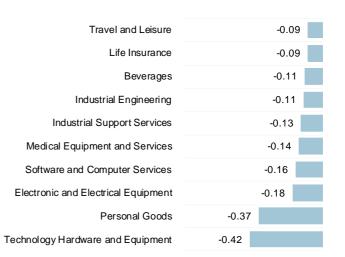
Top 10 Contributors



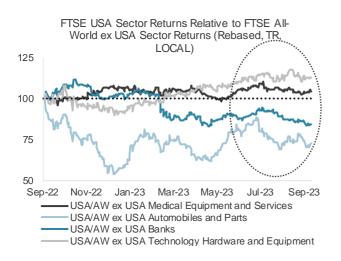


Bottom 10 Contributors

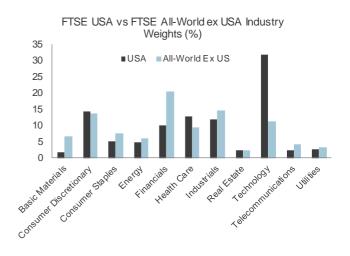




The US badly lagged the World ex USA index in Q3, led by underperforming tech hardware, banks, autos & medtech stocks.



The US is tilted more to tech and health care than overseas peers, and less to financials, materials, staples and energy.

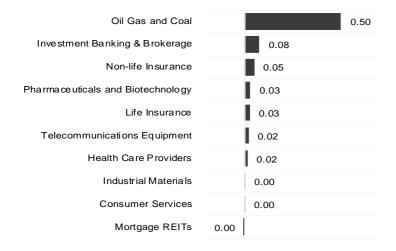


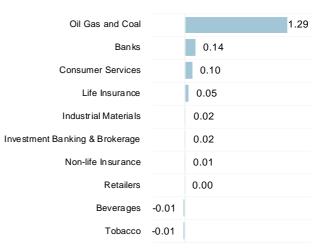
Source: FTSE Russell and LSEG. Equity markets data based on: FTSE USA, FTSE UK, FTSE Europe ex UK, FTSE Japan and FTSE Developed Asia Pacific ex Japan indices and Industry Classification Benchmark (ICB®) industry groups. All data as of September 30, 2023. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Russell 1000 vs 2000: Sector-Weighted Return Contributions – 3M (LC, TR %)



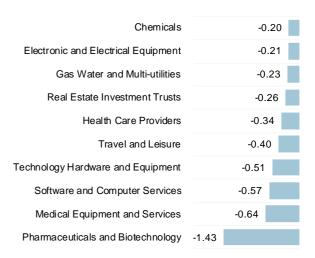
Top 10 Contributors



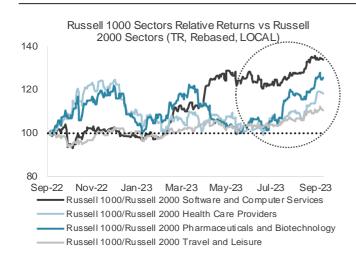


Bottom 10 Contributors

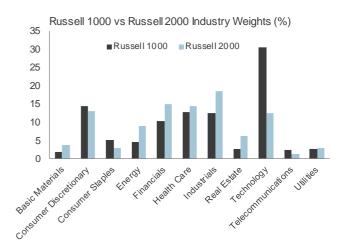
Automobiles and Parts		-0.13
Industrial Support Services		-0.13
Media		-0.15
Aerospace and Defense		-0.16
Travel and Leisure		-0.18
Retailers		-0.19
Electricity		-0.19
Real Estate Investment Trusts		-0.23
Medical Equipment and Services		-0.44
Technology Hardware and Equipment	-0.97	



Russell 1000 held up better than Russell 2000 in Q3, buoyed by biases for large-caps within tech, health care & discretionary.

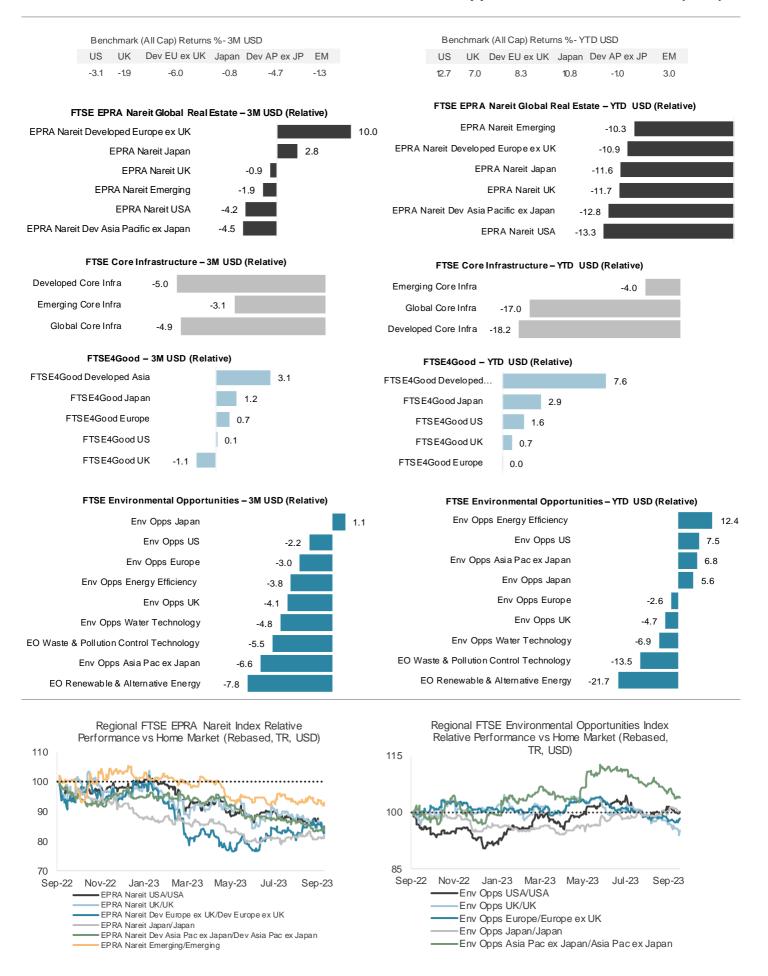


Russell 2000 is more tilted to financials, industrials, health care & energy than Russell 1000 and much less so to tech.



Source: FTSE Russell and LSEG. Based on FTSE Russell Industry Classification Benchmark (ICB®) industry and sector groups. All data as of September 30, 2023. Past performance is no guarantee of future results Please see the end for important legal disclosures

Alternative Indices – REITs, FTSE4Good, Environmental Opportunities, Infrastructure (USD)



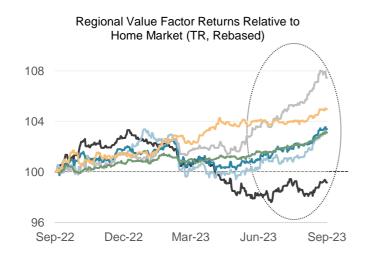
Source: FTSE Russell. All data as of September 30, 2023. Index data based on: FTSE USA, FTSE UK, FTSE Europe ex UK, FTSE Japan and FTSE Developed Asia Pacific ex Japan indices and Industry Classification Benchmark (ICB®) industry groups. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

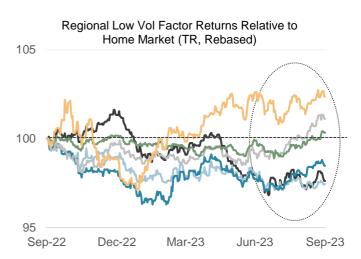
Regional Factor Indicator Relative Returns – 3M vs YTD (Local Currency, TR %)



Value outperformed across regions in the Q3 rout, buoyed by booming energy stocks, extending YTD gains (except in the US).

Low Vol did relatively well in the Q3 sell-off, and is now in positive territory in EM, Japan & Asia Pac for the 12M span.

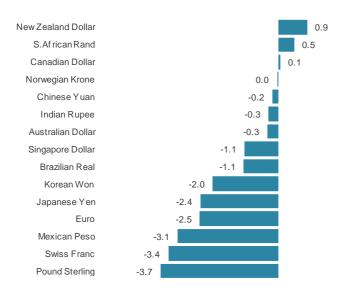




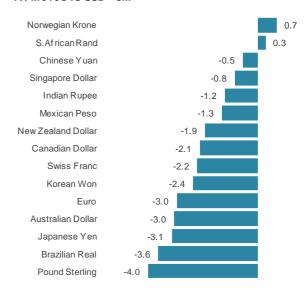
Source: FTSE Russell. All data as of September 30, 2023. Index data based on: FTSE USA, FTSE UK, FTSE Europe ex UK, FTSE Japan and FTSE Developed Asia Pacific ex Japan indices and Industry Classification Benchmark (ICB®) industry groups. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Foreign Exchange Returns %

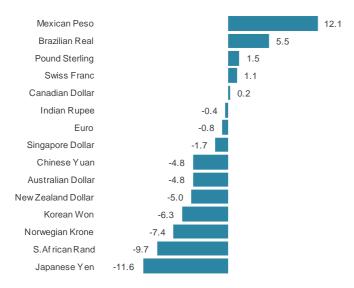
FX Moves vs USD-1M



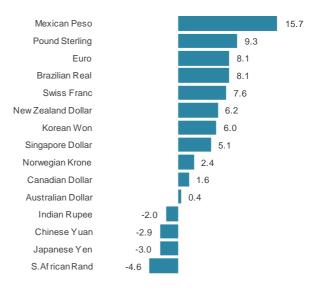
FX Moves vs USD-3M



FX Moves vs USD-YTD

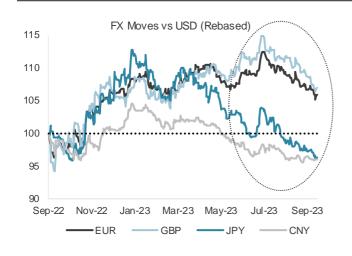


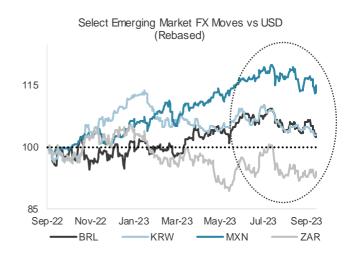
FX Moves vs USD-12M



The US dollar staged a broad-based recovery in Q3, more than wiping out its July losses vs the pound sterling, yen and euro.

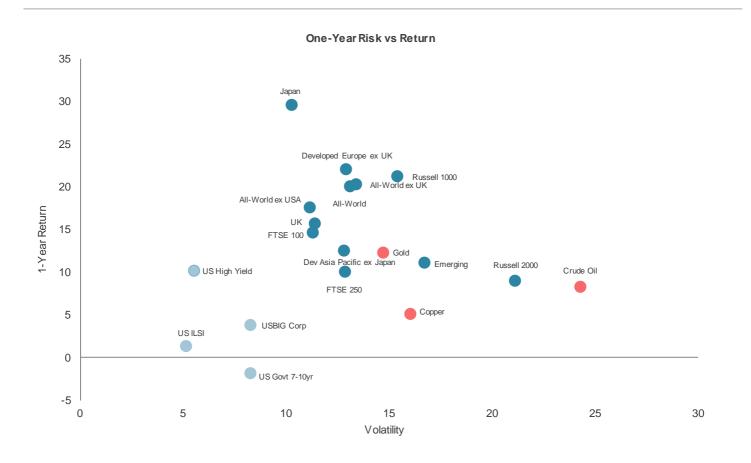
EM currencies broadly fell vs USD in Q3, led by significant losses in the Brazilian real and Korean won.

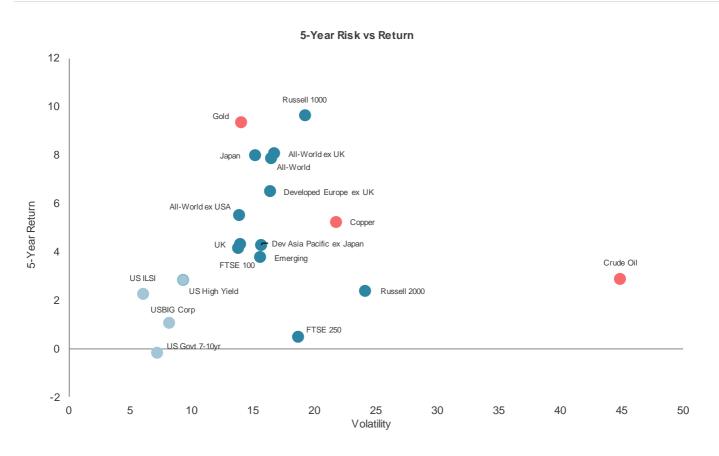




Source: FTSE Russell and LSEG. All data as of September 30, 2023. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Asset Class Risk/Return - 1-Year and 5-Year Annualised (Local Currency)*

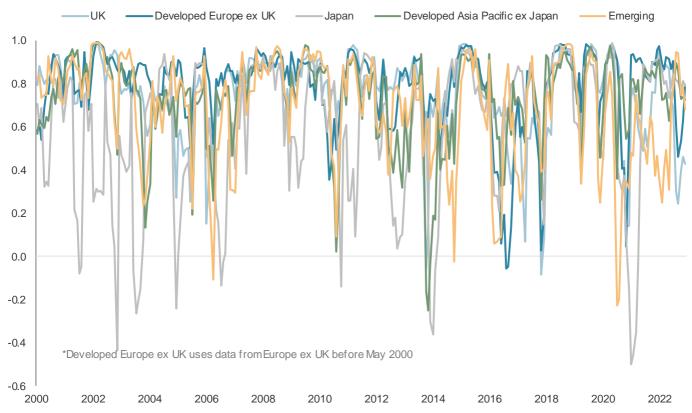




Source: FTSE Russell and LSEG. *Gold, copper and oil are in USD. All data as of September 30, 2023. Equity market data based on: FTSE Regional, and FTSE Developed indices. Returns shown for UK, Europe ex UK, Japan, and Developed Asia Pacific ex Japan Factor Indicators represent hypothetical, historical performance. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Correlations





Three-Year Correlation Matrix (LC)

Russell 1000	-	0.87	0.99	0.87	0.70	0.89	0.70	0.82	0.57	0.54	0.74	0.86	0.72	0.21
Russell 2000	0.87	-	0.88	0.84	0.66	0.77	0.74	0.83	0.61	0.33	0.56	0.81	0.56	0.04
All-World	0.99	0.88	-	0.94	0.77	0.92	0.75	0.88	0.65	0.54	0.73	0.86	0.73	0.22
All-World ex USA	0.87	0.84	0.94		0.87	0.93	0.79	0.94	0.77	0.47	0.62	0.80	0.69	0.21
UK	0.70	0.66	0.77	0.87		0.86	0.61	0.81	0.56	0.29	0.47	0.64	0.48	0.11
Developed Europe ex UK	0.89	0.77	0.92	0.93	0.86	-	0.72	0.83	0.52	0.46	0.65	0.80	0.63	0.13
Japan	0.70	0.74	0.75	0.79	0.61	0.72		0.71	0.46	0.18	0.37	0.63	0.40	-0.09
Developed Asia Pacific ex	0.82	0.83	0.88	0.94	0.81	0.83	0.71	-	0.77	0.46	0.64	0.78	0.67	0.32
Emerging	0.57	0.61	0.65	0.77	0.56	0.52	0.46	0.77		0.46	0.45	0.53	0.66	0.36
US Govt 7-10yr	0.54	0.33	0.54	0.47	0.29	0.46	0.18	0.46	0.46		0.82	0.58	0.92	0.50
US ILSI	0.74	0.56	0.73	0.62	0.47	0.65	0.37	0.64	0.45	0.82		0.77	0.82	0.46
US High Yield	0.86	0.81	0.86	0.80	0.64	0.80	0.63	0.78	0.53	0.58	0.77	-	0.76	0.19
USBIG Corp	0.72	0.56	0.73	0.69	0.48	0.63	0.40	0.67	0.66	0.92	0.82	0.76	-	0.41
Gold	0.21	0.04	0.22	0.21	0.11	0.13	-0.09	0.32	0.36	0.50	0.46	0.19	0.41	-
Nam e	Russell 1000	Russell 2000	All-World	All-World ex USA	UK	Developed Europe ex UK	Japan	Developed Asia Pacific ex Japan	Emerging	US Govt 7- 10yr	US ILSI	US High Yield	USBIG Corp	Gold

Source: FTSE Russell and LSEG. All data as of September 30, 2023. Equity market data based on: FTSE Regional, and FTSE Developed Indices. Past performance is no guarantee of future results. Please see the end for important legal disclosures.

Appendix

	Wgt (%)	Mkt Cap		3	M			Υ	TD			2M		
_		(USD bn)	LOCAL	USD	GBP	EUR	LOCAL	USD	GBP	EUR	LOCAL	USD	GBP	EUR
All-World	100.0	61,559	-2.2	-3.1	0.9	-0.2	11.7	10.4	8.8	11.3	20.1	21.5	11.1	12.4
Developed	90.3	55,355	-2.4	-3.3	0.7	-0.4	12.6	11.4	9.8	12.3	21.1	22.7	12.3	13.6
USA	61.0	37,310	-3.0	-3.0	1.0	-0.1	13.6	13.6	11.9	14.5	21.8	21.8	11.4	12.7
Developed Europe ex UK	12.1	7,404	-3.3	-5.9	-1.9	-3.0	9.8	9.0	7.4	9.8	22.0	31.1	19.9	21.3
Emerging	9.7	6,204	-0.1	-1.5	2.6	1.5	3.8	2.3	0.8	3.1	11.1	11.1	1.6	2.8
Japan	6.3	3,932	2.2	-1.1	3.1	2.0	25.8	11.3	9.6	12.1	29.6	25.7	15.0	16.3
Developed Asia Pacific ex Japan	4.3	2,691	-2.6	-4.7	-0.8	-1.8	3.3	-1.2	-2.6	-0.4	12.5	15.2	5.4	6.6
uk .	3.8	2,408	2.4	-1.7	2.4	1.3	6.1	7.7	6.1	8.5	15.7	26.5	15.7	17.0

Developed - Top 20 by % weight (TR)

				3	M			Υ	ΓD		12M				
			LOCAL	USD	GBP	EUR	LOCAL	USD	GBP	EUR	LOCAL	USD	GBP	EUR	
Developed	100.0	55,355	-2.4	-3.3	0.7	-0.4	12.6	11.4	9.8	12.3	21.1	22.7	12.3	13.6	
USA	67.6	37,310	-3.0	-3.0	1.0	-0.1	13.6	13.6	11.9	14.5	21.8	21.8	11.4	12.7	
Japan	7.0	3,932	2.2	-1.1	3.1	2.0	25.8	11.3	9.6	12.1	29.6	25.7	15.0	16.3	
UK	4.2	2,408	2.4	-1.7	2.4	1.3	6.1	7.7	6.1	8.5	15.7	26.5	15.7	17.0	
France	3.2	1,741	-4.0	-6.8	-2.9	-4.0	12.0	11.1	9.5	12.0	25.8	35.9	24.3	25.8	
Canada	2.7	1,512	-2.1	-4.1	-0.1	-1.2	3.0	3.2	1.7	4.1	9.6	11.4	1.8	3.0	
Switzerland	2.7	1,460	-3.3	-5.4	-1.5	-2.6	4.8	6.0	4.4	6.8	8.7	17.0	7.0	8.2	
Germany	2.3	1,243	-4.5	-7.3	-3.5	-4.5	11.1	10.2	8.6	11.1	27.3	37.6	25.8	27.3	
Australia	2.2	1,221	-0.2	-3.3	0.7	-0.3	4.1	-0.9	-2.3	-0.1	13.9	14.3	4.6	5.8	
Korea	1.4	816	-3.3	-5.5	-1.0	-2.0	14.5	7.3	6.3	8.9	20.1	27.3	17.1	18.6	
Netherlands	1.2	629	-11.6	-14.2	-10.7	-11.6	4.9	4.1	2.6	4.9	16.3	25.7	15.0	16.3	
Denmark	0.8	470	5.4	2.2	6.4	5.3	18.3	17.0	15.3	17.9	42.3	53.3	40.2	41.9	
Sweden	0.8	461	-5.6	-6.1	-2.2	-3.3	7.2	2.8	1.4	3.7	19.3	21.8	11.4	12.7	
Italy	0.7	416	1.3	-1.7	2.4	1.3	23.8	22.8	21.0	23.8	43.7	55.3	42.0	43.7	
Hong Kong	0.7	392	-9.9	-9.8	-6.1	-7.1	-15.5	-15.8	-17.0	-15.1	-0.4	-0.2	-8.7	-7.6	
Spain	0.7	401	-0.6	-3.5	0.5	-0.6	18.4	17.5	15.8	18.4	33.4	44.2	31.9	33.4	
Singapore	0.4	213	2.4	1.5	5.7	4.6	4.0	2.2	0.7	3.0	8.4	14.0	4.2	5.5	
Finland	0.3	168	-1.1	-4.0	0.0	-1.1	-7.4	-8.1	-9.4	-7.4	1.1	9.3	-0.1	1.1	
Belgium/Lux	0.3	150	2.5	-0.5	3.6	2.5	1.0	0.2	-1.3	1.0	13.9	23.1	12.5	13.9	
Norway	0.2	117	9.1	9.9	14.5	13.2	10.2	2.0	0.5	2.8	17.2	20.0	9.8	11.1	
Israel	0.2	98	6.0	3.4	7.7	6.5	3.8	-3.8	-5.2	-3.1	2.1	-4.6	-12.7	-11.7	

Emerging - Top 10 by % weight (TR)

				3	M			Υ	TD		12M				
			LOCAL	USD	GBP	EUR	LOCAL	USD	GBP	EUR	LOCAL	USD	GBP	EUR	
Emerging	100.0	6,204	-0.1	-1.5	2.6	1.5	3.8	2.3	0.8	3.1	11.1	11.1	1.6	2.8	
China	32.7	2,020	-2.2	-2.1	2.0	0.9	-7.3	-7.6	-8.9	-6.8	4.5	4.8	-4.2	-3.1	
India	18.4	1,194	6.0	4.7	9.0	7.9	12.0	11.5	9.9	12.4	16.3	14.0	4.2	5.5	
Taiwan	16.3	1,003	-3.4	-6.8	-2.9	-3.8	18.1	12.5	10.9	13.6	25.4	23.4	12.9	14.4	
Brazil	6.3	397	0.1	-3.6	0.4	-0.6	7.5	13.4	11.7	14.3	7.3	15.9	6.0	7.3	
Saudi Arabia	4.8	285	-3.9	-3.9	0.1	-0.9	3.6	3.8	2.3	4.6	-3.9	-3.7	-11.9	-10.9	
South Africa	3.5	204	-4.4	-4.1	-0.1	-1.2	-0.1	-9.8	-11.1	-9.0	12.0	6.8	-2.3	-1.2	
Mexico	3.3	193	-4.5	-5.7	-1.8	-2.8	6.4	19.3	17.6	20.3	17.1	35.5	23.9	25.3	
Thailand	2.5	144	-1.6	-4.2	-0.2	-1.3	-8.3	-12.8	-14.1	-12.1	-2.5	1.0	-7.6	-6.5	
Indonesia	2.4	142	-0.1	-3.1	0.9	-0.2	6.3	7.1	5.5	7.9	4.6	3.0	-5.8	-4.7	
UAE	1.8	126	5.0	5.0	9.4	8.2	0.5	0.5	-0.9	1.3	0.6	0.6	-8.0	-6.9	

Source: FTSE Russell and LSEG. All data as of September 30, 2023. Equity market data based on: FTSE Regional, and FTSE Developed indices. Past performance is no guarantee of future results. Please see the end for important legal disclosures.



© 2023 London Stock Exchange Group plc and its applicable group undertakings (the "LSE Group"). The LSE Group includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. and FTSE Global Debt Capital Markets Limited (together, "FTSE Canada"), (4) FTSE Fixed Income Europe Limited ("FTSE FI Europe"), (5) FTSE Fixed Income LLC ("FTSE FI"), (6) The Yield Book Inc ("YB") and (7) Beyond Ratings S.A.S. ("BR"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, YB and BR. "FTSE®", "Russell®", "FTSE Russell®", "FTSE4Good®", "ICB®", "The Yield Book®", "Beyond Ratings®" and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of the LSE Group or their respective licensors and are owned, or used under licence, by FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, YB or BR. FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

All information is provided for information purposes only. All information and data contained in this publication is obtained by the LSE Group, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical error as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of the LSE Group nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or of results to be obtained from the use of FTSE Russell products, including but not limited to indices, data and analytics, or the fitness or suitability of the FTSE Russell products for any particular purpose to which they might be put. Any representation of historical data accessible through FTSE Russell products is provided for information purposes only and is not a reliable indicator of future performance.

No responsibility or liability can be accepted by any member of the LSE Group nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any error (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, special, consequential or incidental damages whatsoever, even if any member of the LSE Group is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of the LSE Group nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of the LSE Group nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset or whether such investment creates any legal or compliance risks for the investor. A decision to invest in any such asset should not be made in reliance on any information herein. indices cannot be invested in directly. Inclusion of an asset in an index is not a recommendation to buy, sell or hold that asset nor confirmation that any particular investor may lawfully buy, sell or hold the asset or an index containing the asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

The information contained in this report should not be considered "research" as defined in recital 28 of the Commission Delegated Directive (EU) 2017/593 of 7 April 2016 supplementing Directive 2014/65/EU of the European Parliament and of the Council ("MiFID II") and is provided for no fee.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index inception date is back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index was officially launched. However, back-tested data may reflect the application of the index methodology with the benefit of hindsight, and the historic calculations of an index may change from month to month based on revisions to the underlying economic data used in the calculation of the index.

This document may contain forward-looking assessments. These are based upon a number of assumptions concerning future conditions that ultimately may prove to be inaccurate. Such forward-looking assessments are subject to risks and uncertainties and may be affected by various factors that may cause actual results to differ materially. No member of the LSE Group nor their licensors assume any duty to and do not undertake to update forward-looking assessments.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of the LSE Group. Use and distribution of the LSE Group data requires a licence from FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, YB, BR and/or their respective licensors.

LSEG content is the intellectual property of LSEG. Any copying, republication or redistribution of LSEG content, including by caching, framing or similar means, is expressly prohibited without the prior written consent of LSEG. LSEG is not liable for any errors or delays in content, or for any actions taken in reliance on any content.