Band Combination Output	Landsat 8	Sentinel-2
Natural Color	432	432
False Color (urban)	764	12 11 4
Color Infrared (vegetation)	543	843
Agriculture	652	11 8 2
Atmospheric Penetration	765	12 11 5
Healthy Vegetation	562	8 11 2
Land/Water	564	8 11 4
Natural With Atmospheric Removal	753	12 8 3
Shortwave Infrared	754	1284
Vegetation Analysis	654	11 8 4

Band Combinations for Landsat 8 and Sentinel-2

- False Color makes use of both of the SWIR bands, image is crisper than band combinations that make use of bands in shorter wavelengths, which have more haze.
- Color Infrared Vegetation really pops in red, with healthier vegetation being more vibrant. It's also easier to tell different types of vegetation apart than it is with a natural color image. This is a very commonly used band combination in remote sensing when looking at vegetation, crops and wetlands.
- Agriculture useful for the monitoring of agricultural crops, which appear as a vibrant green. Bare earth appears as a magenta and non-crop vegetation appears as more subdued shades of green.

Atmospheric Penetration - makes use of both of the SWIR bands.

- Land/Water land appears in shades of orange and green, ice stands out as a vibrant magenta color, and water appears in shades of blue.
- Natural with Atmospheric Removal similar to the 5, 6, 4 band combination but vegetation shows up in more vibrant shades of green, used for the global Landsat mosaic created by NASA.

Comparing Landsat 7 & Landsat 8

Landsat 7			Landsat 8		
Band Name	Bandwidth (µm)	Resolution (m)	Band Name	Bandwidth (µm)	Resolution (m)
			Band 1 Coastal	0.43 - 0.45	30
Band 1 Blue	0.45 - 0.52	30	Band 2 Blue	0.45 - 0.51	30
Band 2 Green	0.52 - 0.60	30	Band 3 Green	0.53 - 0.59	30
Band 3 Red	0.63 - 0.69	30	Band 4 Red	0.64 - 0.67	30
Band 4 NIR	0.77 - 0.90	30	Band 5 NIR	0.85 - 0.88	30
Band 5 SWIR 1	1.55 - 1.75	30	Band 6 SWIR 1	1.57 - 1.65	30
Band 7 SWIR 2	2.09 - 2.35	30	Band 7 SWIR 2	2.11 - 2.29	30
Band 8 Pan	0.52 - 0.90	15	Band 8 Pan	0.50 - 0.68	15
			Band 9 Cirrus	1.36 - 1.38	30
Band 6 TIR	10.40 - 12.50	30/60	Band 10 TIRS 1	10.6 - 11.19	100
			Band 11 TIRS 2	11.5 - 12.51	100