

Tablet
and
Cell Phone
Photography.

Why Cell Phone Photography?

- The top five cameras on Flickr these days are all smartphone models.
 - In 2014, the top cameras on Flickr were:
 - iPhone 5S, iPhone 5, iPhone 6.
 - Samsung Galaxy S4, Samsung Galaxy S5.
- For this presentation we are classifying Tablets and IpadS under the same category as phones.

Due to the compact size of cell phones and tablets, they are quite portable, making it easy to always have a camera with you wherever you go. This means that you no longer have the need to pack around heavy, bulky camera equipment. Also, the constant worry of losing your camera's lenses or caps is no longer present.

The main issues with cameras include not always having an empty SD card, and losing SD cards with all of your valuable photos on them. The security of your photos isn't a huge issue with phones because everything can be automatically backed up.

An added bonus of cell phones is that the risk of it going missing isn't as high as it would be with a camera, as phones fit into your pocket nicely, and they have passwords to protect them.

Tips and tricks for easy and visually pleasing photos.

- Focusing is often selectable by tapping on your screen. Just tap the element of your photo that you want to be in focus!
- To prevent blurry photos, make sure you are holding your phone with both hands. You can rest your elbows on something to help, especially in low light situations. Some phones have settings that will help minimize camera shake. Additionally, you can now also buy tripods for your mobile devices.
 - The iPhone allows you to attach headphones and use the volume buttons as a remote shutter release!
- Small affordable lens attachments are available to give you a broader range of style and magnification choices.
- Make sure you have some sort of lens cloth handy, it's quite easy for your phone's lens to get dirty.
- Use the pro settings in your camera to set exposure compensation or white balance.

Tricks for good photos.



- When taking macro shots be careful about the distance between your phone and the object.
- If your phone is too close the camera will not focus and you will end up with blurry photos.
- If you want a close up of something simply zoom in by spreading your fingers apart on the screen, and to zoom out pinch the screen.
 - Note that this is usually a digital zoom, rather than an optical one, which means that the resolution of your image will be diminished.

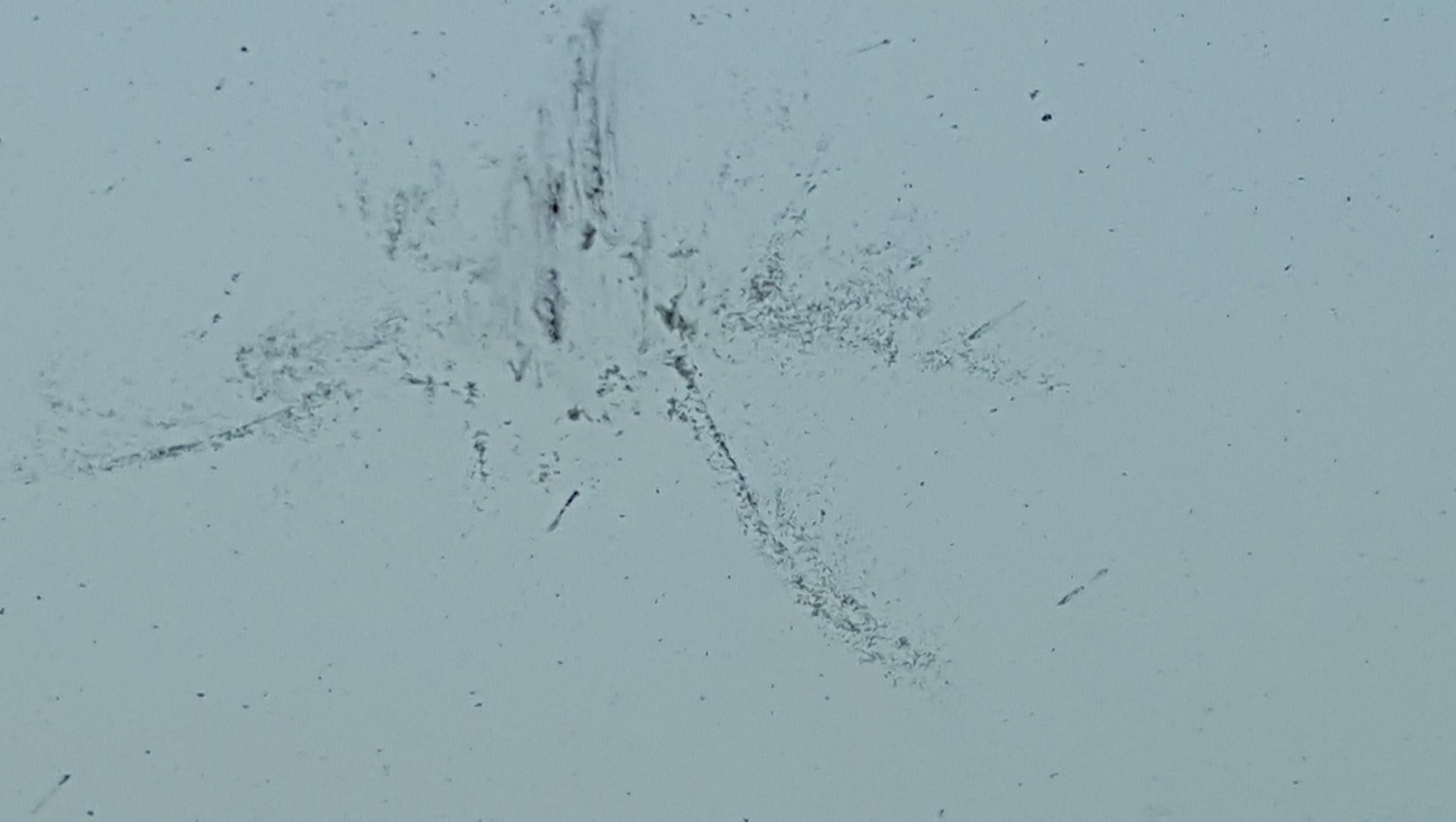
Examples of macro shots.











Landscapes

Cell phone.



Tablet.



Some tablet landscape photos



In this photo grey-scale was used.

This is what the landscape actually looked like.







Portraits

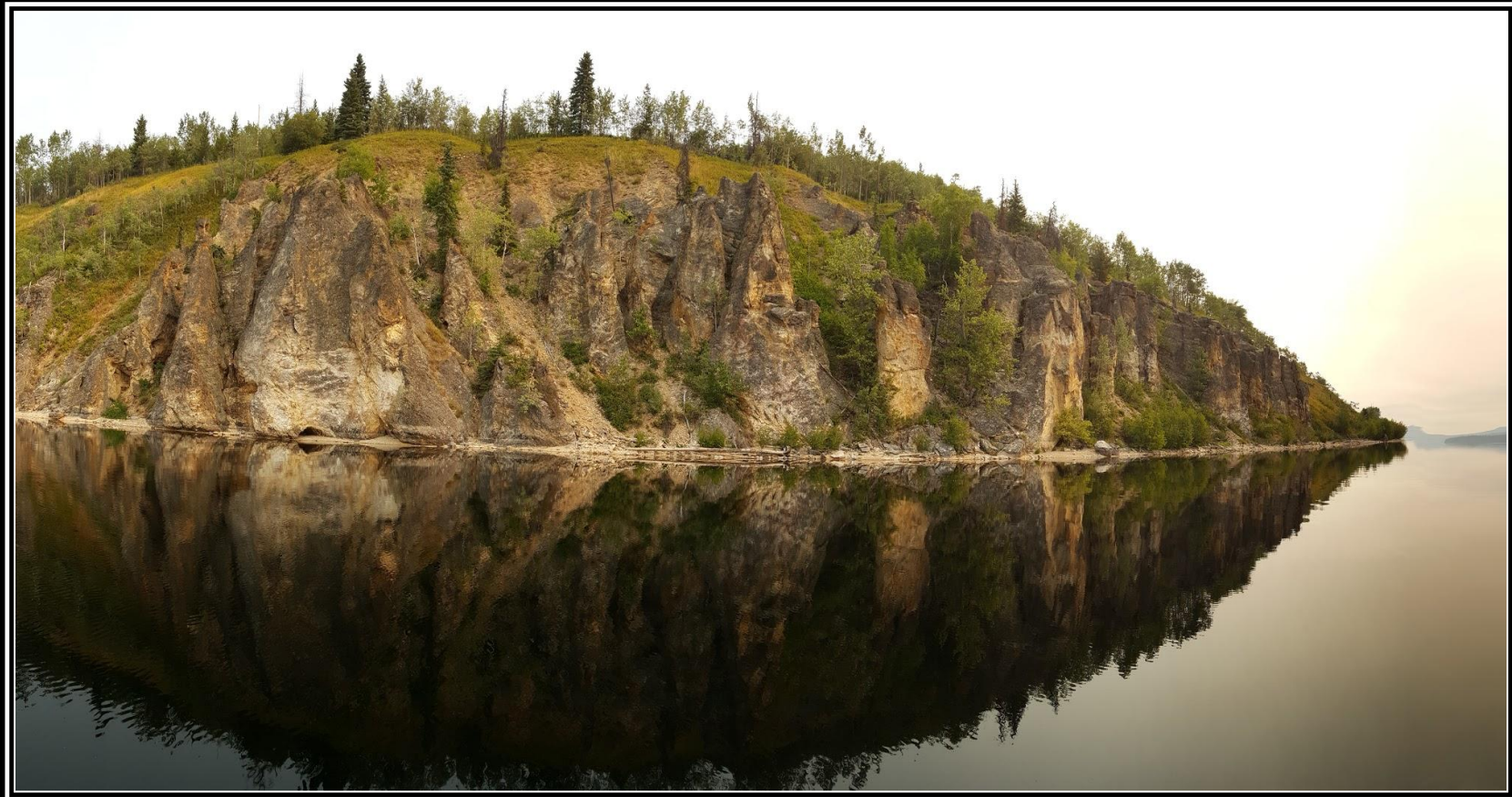


Panorama

Tablet.



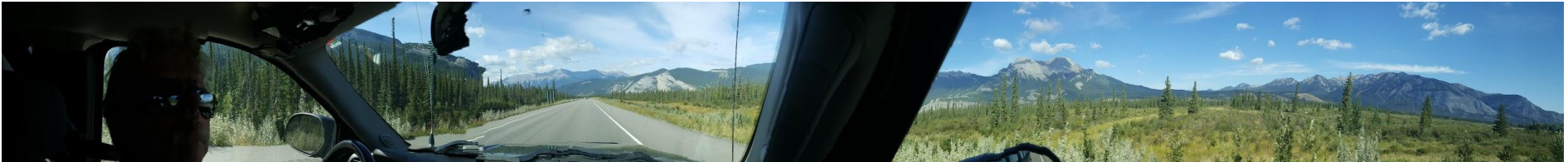
Cell phone.



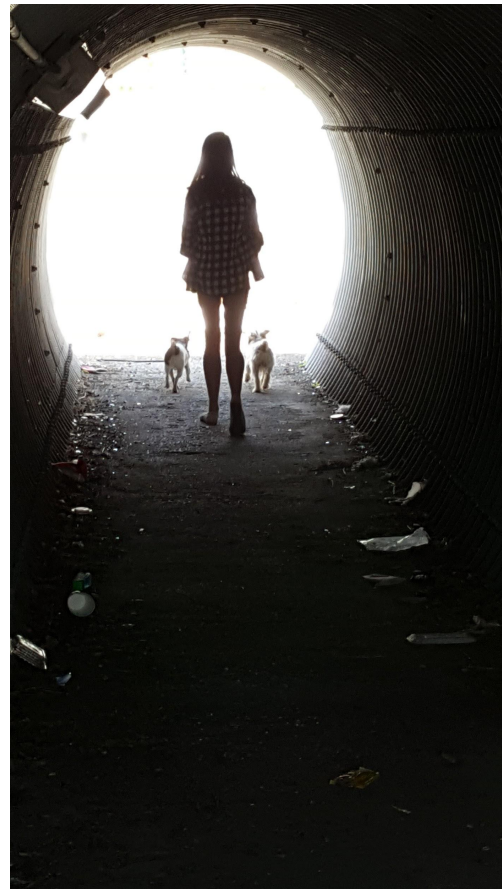
Panorama Variations

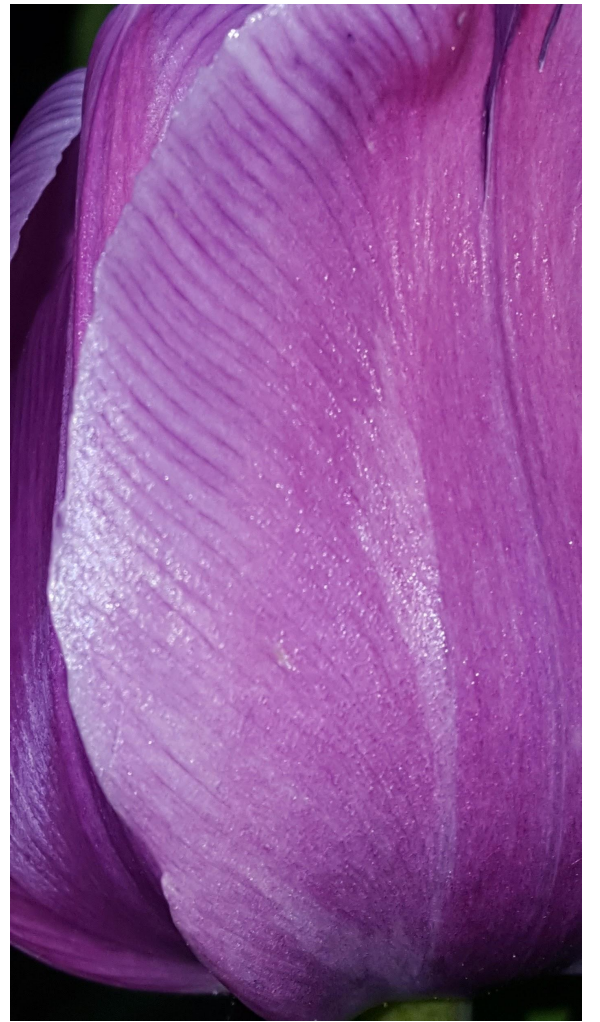
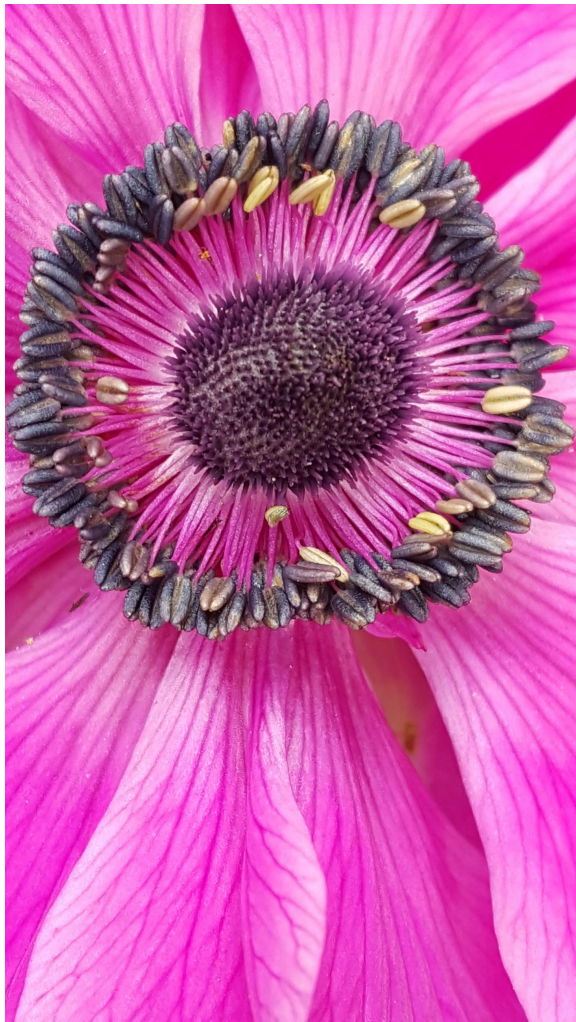


Most panoramas are done by spinning in place with your camera. The above shot was accomplished by pointing the camera out of a moving vehicle, and driving down the road. The bottom image was created inside the cab of a moving vehicle, to create the illusion of being on the road. You're only limited by your imagination with mobile devices.



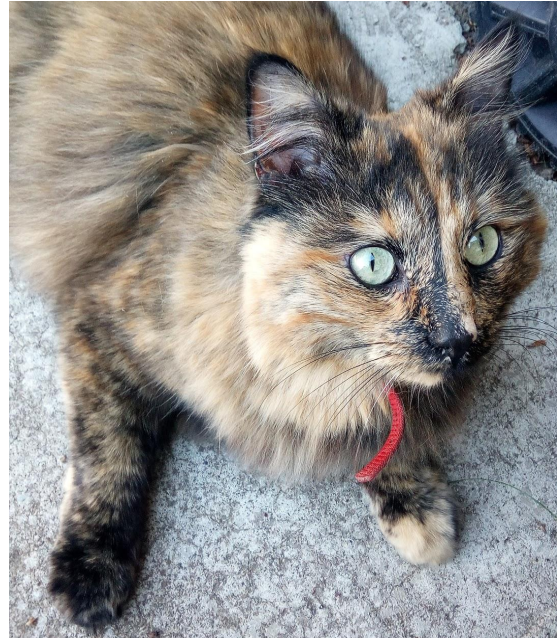
Artistic





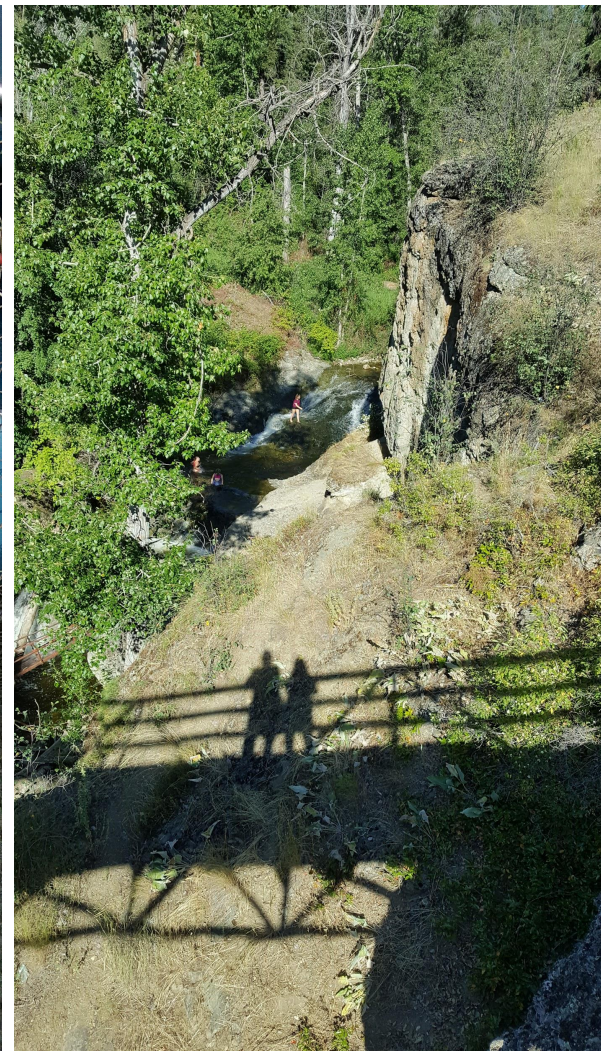
Pets

Since your cell phone is almost always handy, it is an excellent tool for getting images that showcase your pet's personality!

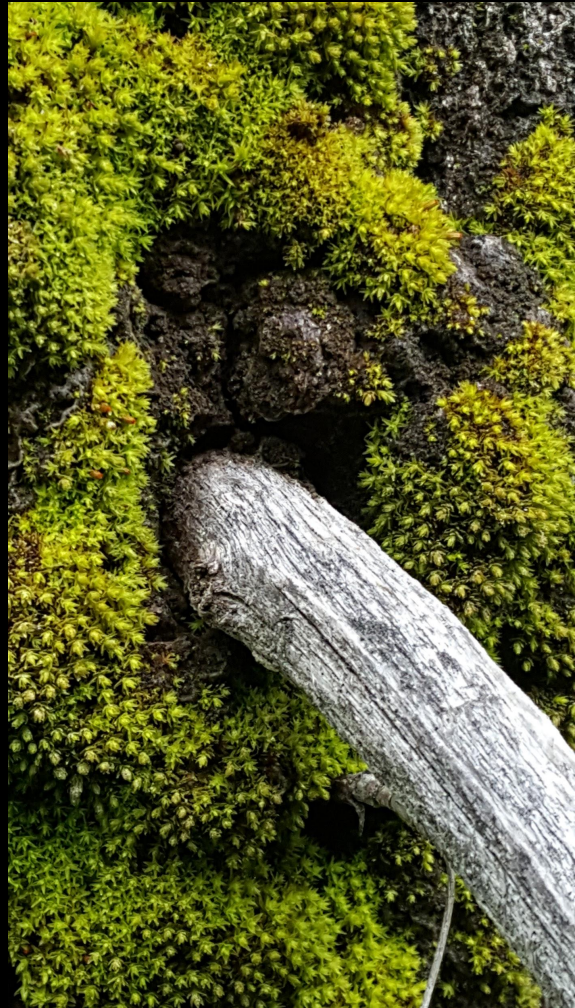


Vacation Documentation

Tablets and phones are handy to bring along on vacation, as they are cameras, GPS's, and communications devices! Plus, it is always handy to be able to Google any information you might need for your adventures. Plus, with the handy editing tools you can get for your phone, you can edit and share your images on the go!



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Other Interesting Things

- Mobile cameras are constantly improving. The iOS 10 allows users to shoot in RAW. The image quality is always increasing, and there is nothing more portable than a phone.
- They shoot in the cold, and fogged lenses are not as much of an issue as they can be with larger cameras.
- Cell phone cameras are getting better and better at taking photos of all different light levels.

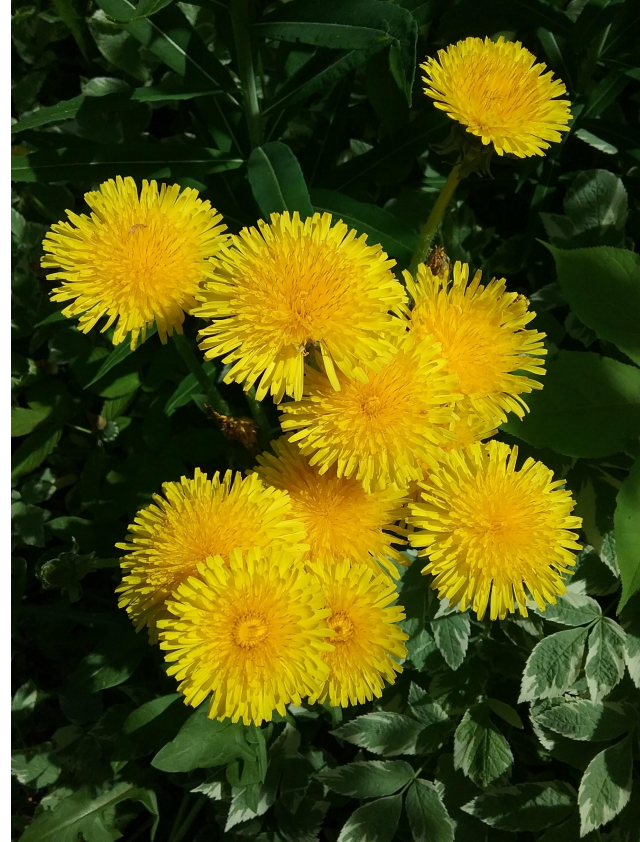
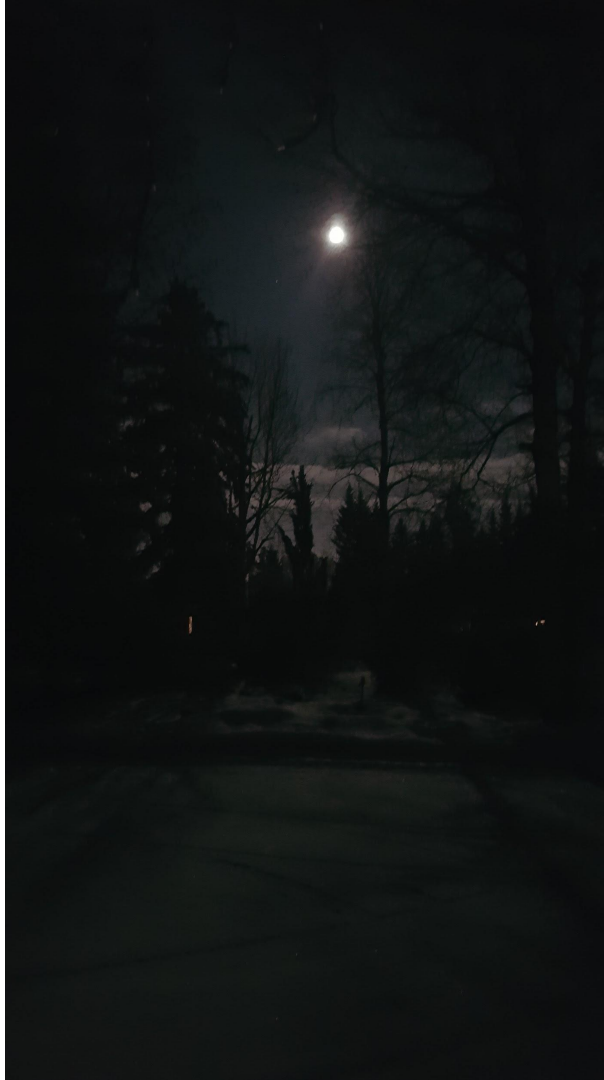


Reflections are easy to deal with when you use a cell phone. You can quite easily put your camera right up against glass to shoot through it reflection free. Or, you can make the reflections the point of the photograph.





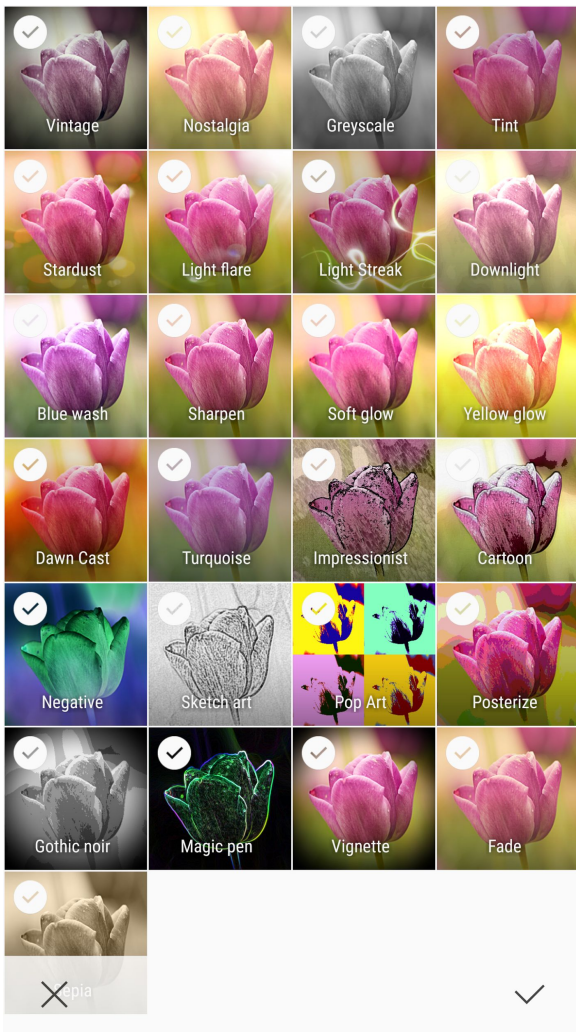
Here we see that the cell phone camera performs quite well at colder or wetter temperatures.



Your phone or tablet can also be used in a wide variety of lighting conditions. Don't be afraid to experiment!

Photography Apps and Effects

- Cell Phones often provide a variety of different filters and effects that you can apply to your photos
- There is also a wide variety of apps that you can use to apply different effects, or to edit your photo in a variety of ways.
 - Prisma: a filter app that has a wide variety of fun filters to add interesting art-like effects to your photos.
 - Google Photos: An editor that integrates seamlessly with your online Google accounts, making it easy to share your photos with the world.
 - Snapseed: A professional quality photo editing app.
- With apps, however, it is important to pay attention to the permissions that the app wants! Some apps are made by unscrupulous parties, and sometimes share information about you that you may rather keep private.



Effects that are available on Samsung cell phones.



Camera effect settings in Samsung.

No effect.



Deep



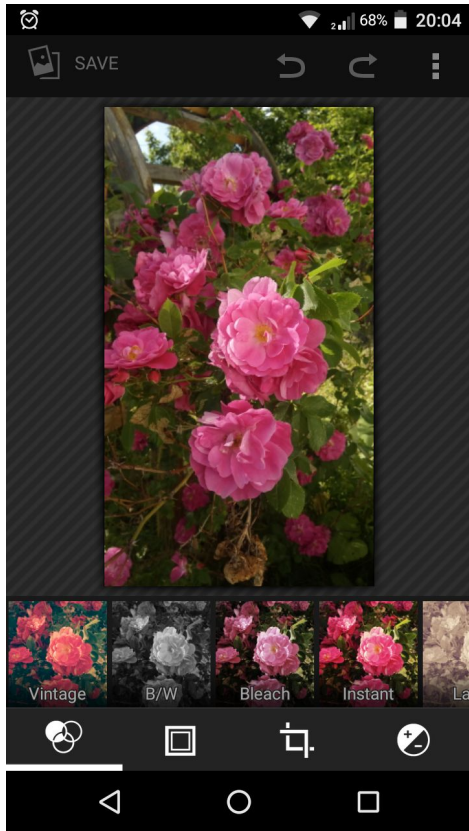
Pastel



Retro



These are some effects found in Acer's Gallery app.



Gallery App



X Process Filter



Vintage Filter



Punch Filter

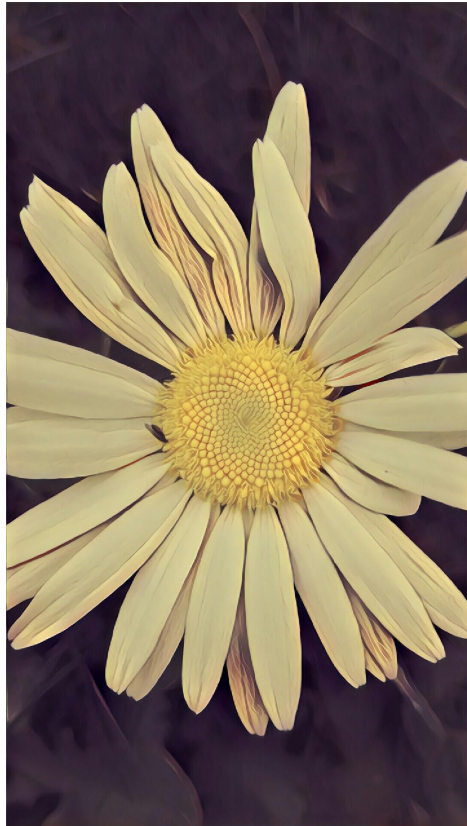
Prisma



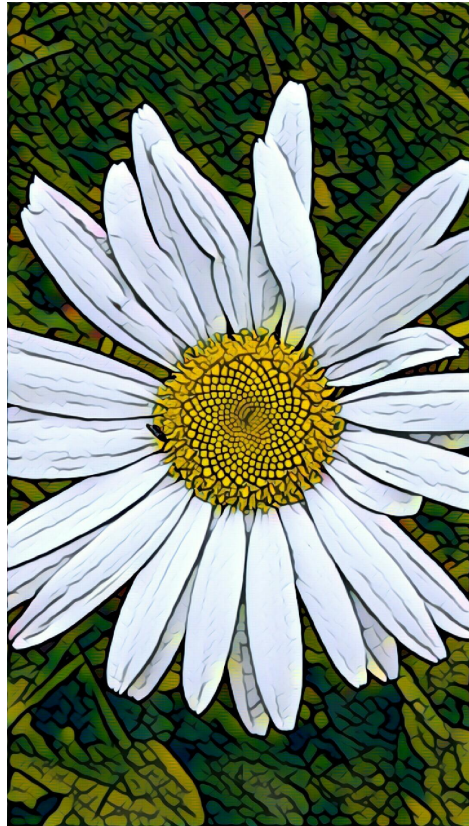
Original Image



Dreams Filter



Mononoke Filter



Comic Filter

Snapseed



Original.



Adjusted brightness,
contrast, saturation.



Added lens blur filter.



Ran tonal contrast filter.

References

- [The 25 Most Popular Smartphone Photos on Flickr in 2014](#)
- [12 Mobile Photography Tips Every Photographer Should Know](#)
- [Introduction to Smart Phone Photography](#)
- [The 8 Best Phone Camera Lenses](#)
- [How to shoot RAW photos on your iPhone or iPad](#)
- [Popular Selfie App Sending User Data To China, Researchers Say](#)

Photography by Lynn Schwehr