Abstract

Post-processing a colour image to greyscale can be achieved by desaturation or colour channel adjustment. This study explores a number of non-destructive techniques, illustrates their effects on a selected image, and examines for notable differences.

1 Workflow

2 Images

2.1 Original — Fujifilm Provia/Standard

2.2 Desaturation A — HSL

2.3 Desaturation B — Recolour

2.4 Desaturation C — Vibrance

2.5 Colour channels A — Black and White

2.6 Colour Channels B — Channel Mixer

2.7 Generic Grey Profile — Soft Proof

3 Observations

All techniques were applied in their default values for the intended purpose — i.e. conversion to greyscale — and appear to produce similar results. However, one conversion stands out by creating a 'brighter mood': the default Black and White produces a higher-intensity greyscale image with lighter shades at the orange hues.

Resources

Affinity Photo (website) https://affinity.serif.com/en-gb/photo
Fujifilm Corporation (website) https://global.fujifilm.com