

0.740, 0.270

0.170, 1.140

0.080, -0.100

0.3127, 0.3290 (D65)

4.1.13 [GoPro ProTune](#)



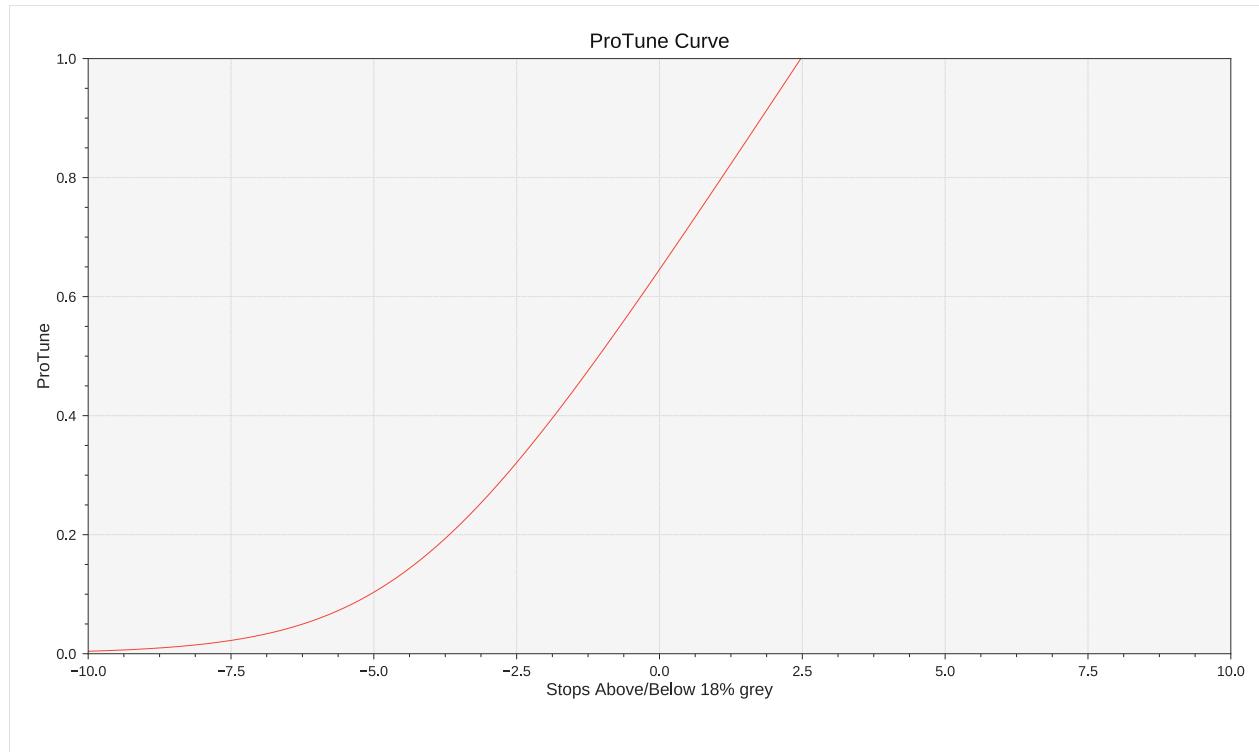
Figure 4.12: The ACES Still Life reference image converted to ProTune Native.

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ProTune “Flat” is a log mode available in the GoPro range of action cameras. It allows disabling of much of the image processing normally applied in camera. The curve encodes the range 0-1 to log values in the range 0-1, so linearization will not yield values >1 unless gain is subsequently applied. Equally, the curve is not able to encode negative values, but because the sensor A/D has a black offset, this should be subtracted after linearization, which may result in some negative values.

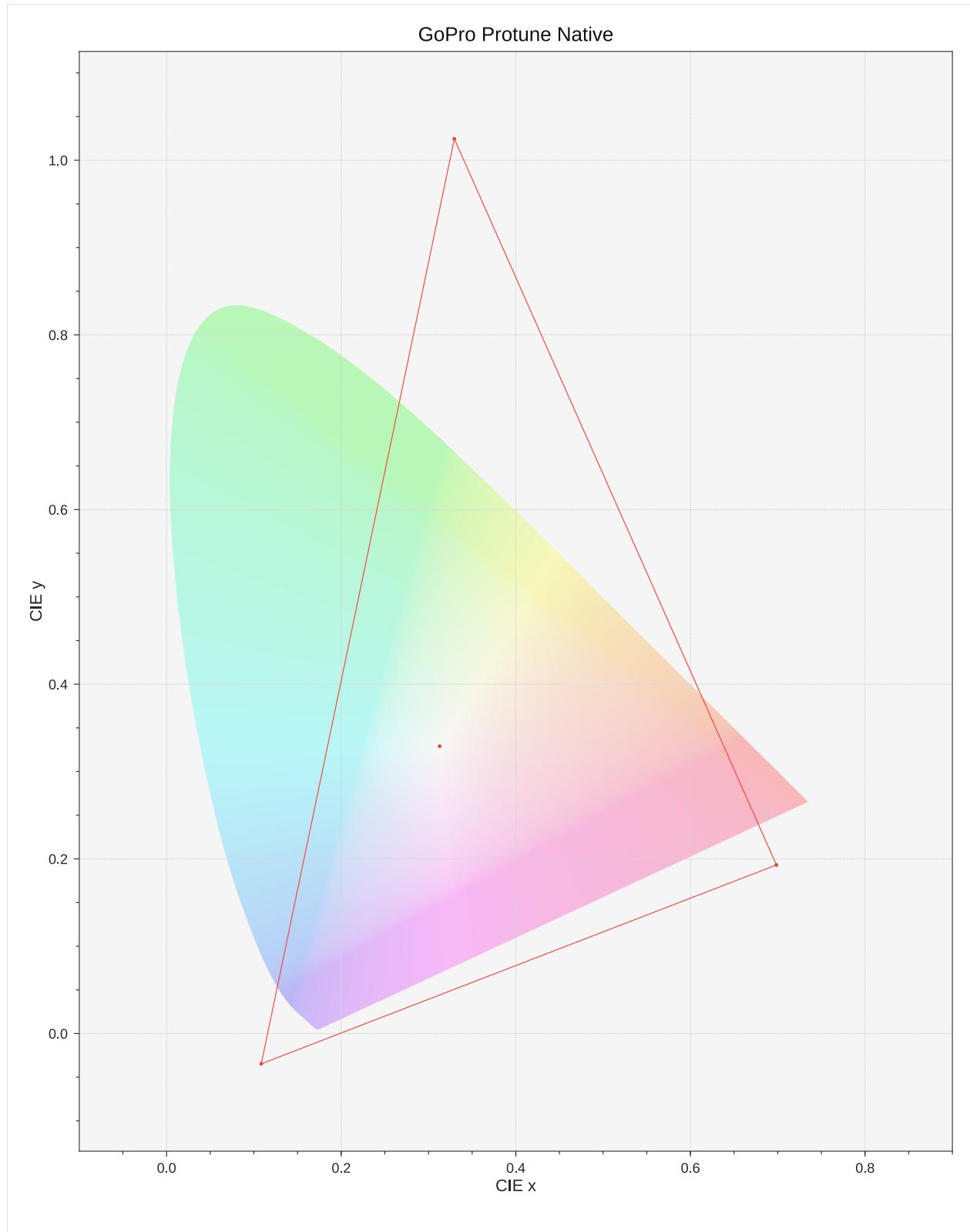
The encoding function is:

$$V = \frac{\ln(L \times 112 + 1)}{\ln(113)} \quad (4.21)$$



The decoding function is:

$$L = \frac{113^V - 1}{112} \quad (4.22)$$

**Red**

0.698448, 0.193026

Green

0.329555, 1.024597

Blue

0.108443, -0.034679

White Point

0.3127, 0.3290 (D65)

4.1.14 [Panasonic V-Log](#)