The Brim – Linny Rebuild LUTs (cube, jpg, drx)

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Subtractive Colour Modeling for the ALEV III Sensor

The SUCOMO(TM), (Subtractive Colour Model) Linny & Cinny LUTs is a unique design for Alexa's ALEV III sensor. They are custom-coded and not created using color grading software. They can be used as log-to-log and log-to-log converters, and they are both creative and technical logs to log. The Linny + Print, Cinny, and Cinny versions are also available.

Subtractive vs. Additive

The film uses a subtractive model while digital uses an additive model. They use fundamentally different methods of creating end color and density. Subtractive is when you start with white light and subtract red, green, or blue to create cyan, magenta, or yellow. The additive is when we start with black and then add red, green, and blue. Subtractive mixing is a different type of additive. The color's overall brightness will decrease the more saturated it is. This color mixing doesn't affect all tones equally. It changes the saturation in different luminous ranges. Combining these effects is a key component of the appearance of analog film. This results in a more natural image rendering. To achieve a nondestructive, but a radical departure from the established interpretations of the information from the sensor, we mathematically modeled subtractive modeling.

The new era in Cinema Color Science

SUCOMO (TM), by The Brim(r), are high-quality, industry-leading Color Science LUTs that provide high accuracy color science for ARRI, RED, and Blackmagic cameras.

Linny

Linny, unlike Cinny, is a LogC flat alternative. Linny can be used as a Log to Linear conversion LUT set. It's designed to provide a subtractive and film-like solution to the standard video converter ARRI Rec.709 and other Log to Linear conversion UTSs. Linny, even at its lowest contrast value, does not alter the base color palette of the sensor. It can also serve as a pseudo logarithmic ground with all the SUCOMO (TM) subtractive modeling, its inherent contrast level, and color luma.

Linny VFX & Pipeline Solutions

Logarithmic recording cameras are supported by ARRI and RED. RED and Blackmagic Linny LUTs can now be used for linear material in all variations. This allows for perfect matching VFX and compositing with live-action material already using Linny LUTs. Linny LUT pipeline products provide a seamless end-to-end solution to complex production. Linny VFX opens up a whole new world of possibilities for other SUCOMO (TM) color science uses cases, such as those that require logarithmic imaging.

Linny + Print

Linny Kit contains versions of the Linny LUT and a highly accurate printing emulation to provide instantaneous cinematic colors on digital deliveries. It also provides ease of use from shot to shot with four intensities of printed Linny LUTs (B1 through B4 with B0 added that does not have a print emulation curve but retains the print color palette).

Comparisons and Tests

Linny + Print B1

Linny Kit includes

1 Linny Conversion LUT

5 Lenny + Print LUTs

.CUBE - 64 x 64 x64 Size Cube 3D Luts

ARRI Look Versions Available

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