



Thank you for your purchase - we truly value your support and are grateful for your business.

We hope you'll love using the DCTLs for DaVinci Resolve to bring your creative visions to life!

DCTL

Nx Resolve

Tone Contrast

1.000

Highlights Threshold

200.0

Shadows Threshold

50.0

Dither Size

4.00

Halftone Angle 1

45.0

Halftone Angle 2

75.0

Dot Visibility Threshold

0.500

Dot Edge Softness

0.300

Dot Gain

0.200

Ink 1 Opacity

1.000

Ink 2 Opacity

1.000

Ink Luminosity

0.000

Color Density

0.300

Misregistration X

0.00

Misregistration Y

0.00

Ink Bleed

0.300

Grain Amount

0.250

Ink Variation

0.000

Paper Texture

0.300

Ink Absorption

0.040

Ink Edge Irregularity

0.150

Paper Coarseness

50.0

Drum Banding

0.000

Drum Frequency

100.0

Overprint Darken

0.000

Edge Sharpness

1.000

Edge Contrast

0.990

Edge Sensitivity

0.990

Posterize Levels

0

Reference Resolution

1080

☐ Enable Edges

☒ Show Color 1

☒ Show Color 2

☐ Use Source Colors

Dither Mode

Clustered Dot

Separation Mode

Ink Proximity

Ink 1 Preset

Custom

Ink 2 Preset

Custom

Edge Color

Ink Color 1

Ink Color 2

Paper Color

> Global Blend



Vintage print aesthetics for your footage.
Inspired by classic Risograph and analog print techniques.

System Requirements

Works on macOS, Windows and Linux
(Metal, CUDA & OpenCL Modes Supported)

Requires DaVinci Resolve Studio

Features



Multi-Mode Halftone Dithering

Authentic dither patterns including Circle, Ellipse, Line, Diamond, Square, Bayer, Stochastic, Clustered Dot for diverse print aesthetics.

Dual Ink Color System

Two fully customizable ink colors with color pickers, plus option to extract colors directly from source footage.

Color Separation Modes

Four separation modes control how ink layers interact for classic risograph color effects.

Print Misregistration

X/Y offset controls simulate the characteristic color layer misalignment found in real risograph printing.

Organic Paper & Ink Texture

Authentic paper fiber texture, ink absorption variation, and edge roughness create natural print imperfections.

Resolution Independence

Reference resolution scaling ensures consistent results from 720p to 8K without manual parameter adjustment.

Intelligent Color Separation

Seven separation modes including Ink Proximity (color-matching), GCR (gray component replacement), and Warm/Cool split.

Compatibility Across Pages

Works seamlessly across Edit, Fusion, and Color pages in DaVinci Resolve.

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Custom

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Ink Color 2

Paper Color

> Global Blend

Tone Contrast - Adjusts the tonal range of the image before ink is applied. Higher values create punchier contrast.

Highlights Threshold - Sets the brightness level where ink coverage fades out completely.

Shadows Threshold - Sets the darkness level where ink reaches full, solid coverage.

Dither Size - Controls the size of halftone dots or dither pattern elements.

Halftone Angle 1 - Rotates the dot pattern for Ink 1. Keep 30° apart from Ink 2 to avoid moiré.

Halftone Angle 2 - Rotates the dot pattern for Ink 2. Keep 30° apart from Ink 1 to avoid moiré.

Dot Visibility Threshold - Sets how dark an area must be before dots begin to appear.

Dot Edge Softness - Blurs the edges of halftone dots for a softer, less mechanical look.

Dot Gain - Simulates midtone dot expansion as ink spreads on paper.

Ink 1 Opacity - Controls the transparency of the first ink layer.

Ink 2 Opacity - Controls the transparency of the second ink layer.

Ink Luminosity - Adds fluorescent glow behavior to inks.

Color Density - Boosts or reduces the saturation and intensity of ink colors.

Misregistration X - Shifts Ink 2 horizontally to simulate print alignment errors between passes.

Misregistration Y - Shifts Ink 2 vertically to simulate print alignment errors between passes.

Ink Bleed - Controls how much ink spreads and bleeds beyond dot boundaries.

Grain Amount - Adds fine paper grain texture to simulate paper tooth.

Ink Variation - Introduces random density variation across the print for an organic, handmade feel.

Paper Texture - Reveals paper fiber structure showing through the ink layer.

Ink Absorption - Simulates uneven ink soaking into paper fibers, creating natural density variation.

Ink Edge Irregularity - Adds rough, imperfect edges to ink dots for authentic print character.

Paper Coarseness - Sets the scale of paper fiber texture. Higher values simulate rougher paper stock.

Drum Banding - Adds subtle horizontal lines that mimic artifacts from print drum rotation.

Drum Frequency - Controls the spacing between drum banding lines.

Overprint Darken - Darkens areas where both ink layers overlap, simulating ink buildup.

Edge Sharpness - Controls the thickness of detected edge lines.

Edge Contrast - Sets how strong an edge must be to register in the detection.

Edge Sensitivity - Adjusts how many edges are detected. Higher values reveal more edges.

Posterize Levels - Simplifies tones into distinct steps for a bold, graphic poster look. Set to 0 to disable.

Reference Resolution - Calibrates dot scaling to your timeline height for consistent results across resolutions.

Enable Edges - Draws distinct lines along detected edges in the image.

Show Color 1 - Toggles visibility of the first ink layer.

Show Color 2 - Toggles visibility of the second ink layer.

Use Source Colors - Uses colors from the original image instead of the selected ink presets.

Dither Mode - Selects the halftone or dither pattern style (circles, lines, stochastic, etc.).

Separation Mode - Determines how the image is divided between the two ink colors.

Ink 1 Preset - Selects a preset ink color for the first layer, or Custom to use the color picker.

Ink 2 Preset - Selects a preset ink color for the second layer, or Custom to use the color picker.

Ink Color 1 - Custom color picker for the first ink layer (used when preset is set to Custom).

Ink Color 2 - Custom color picker for the second ink layer (used when preset is set to Custom).

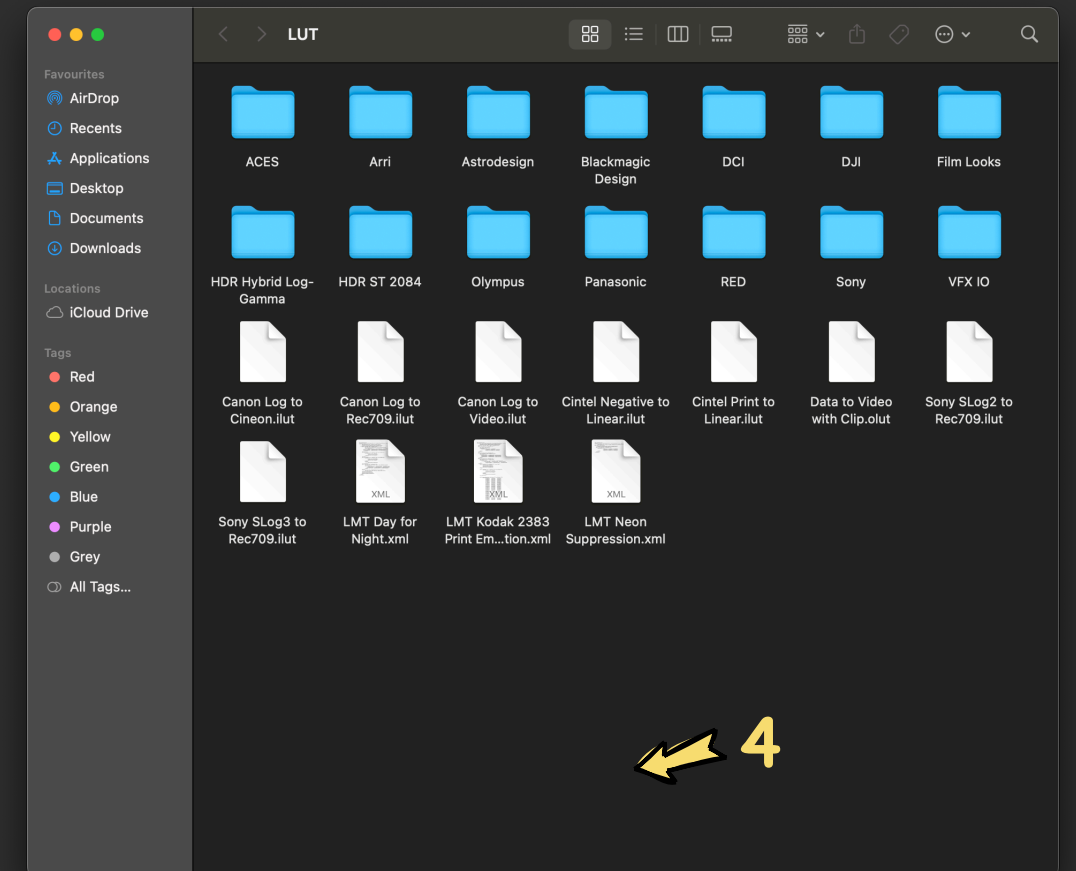
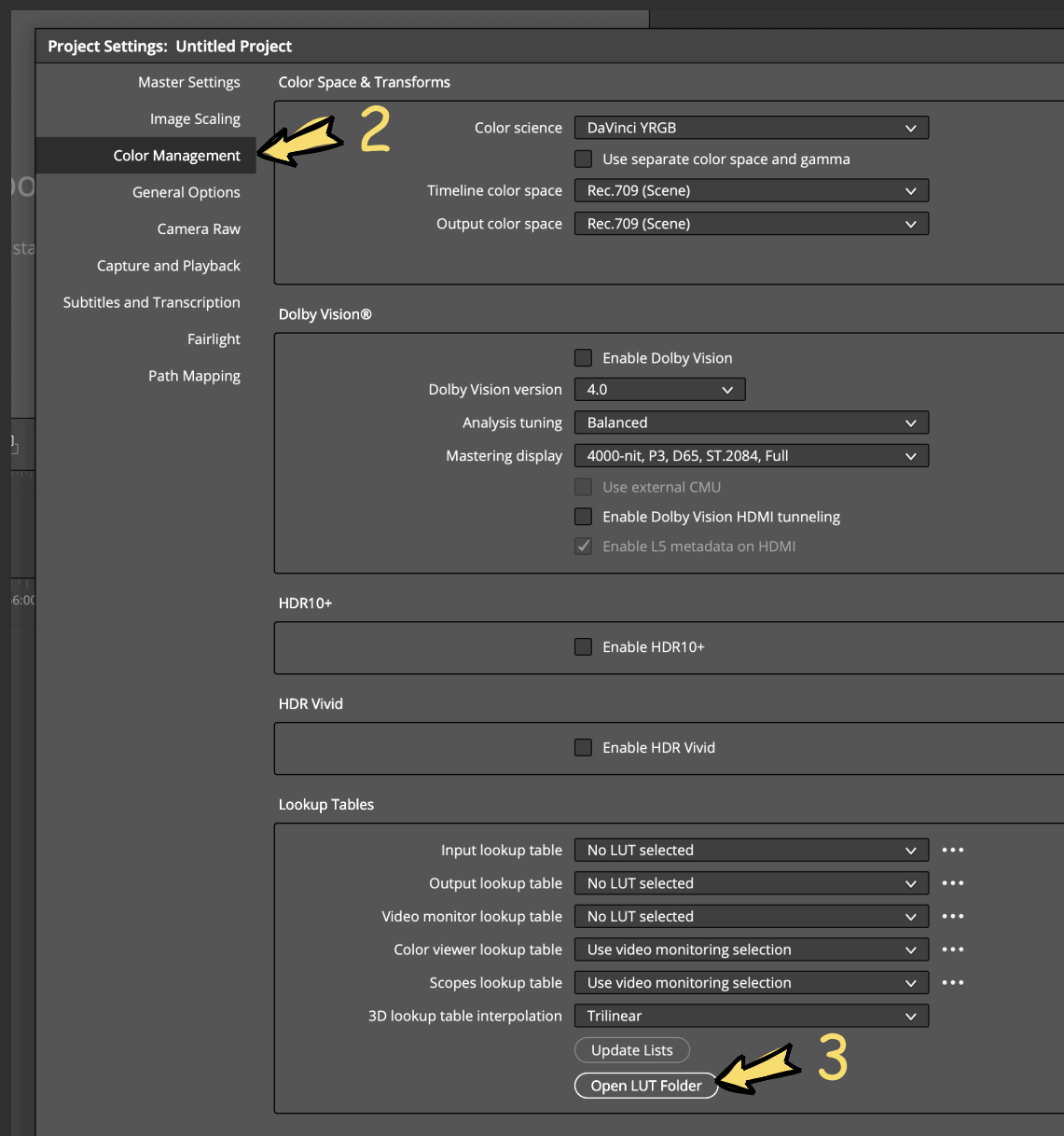
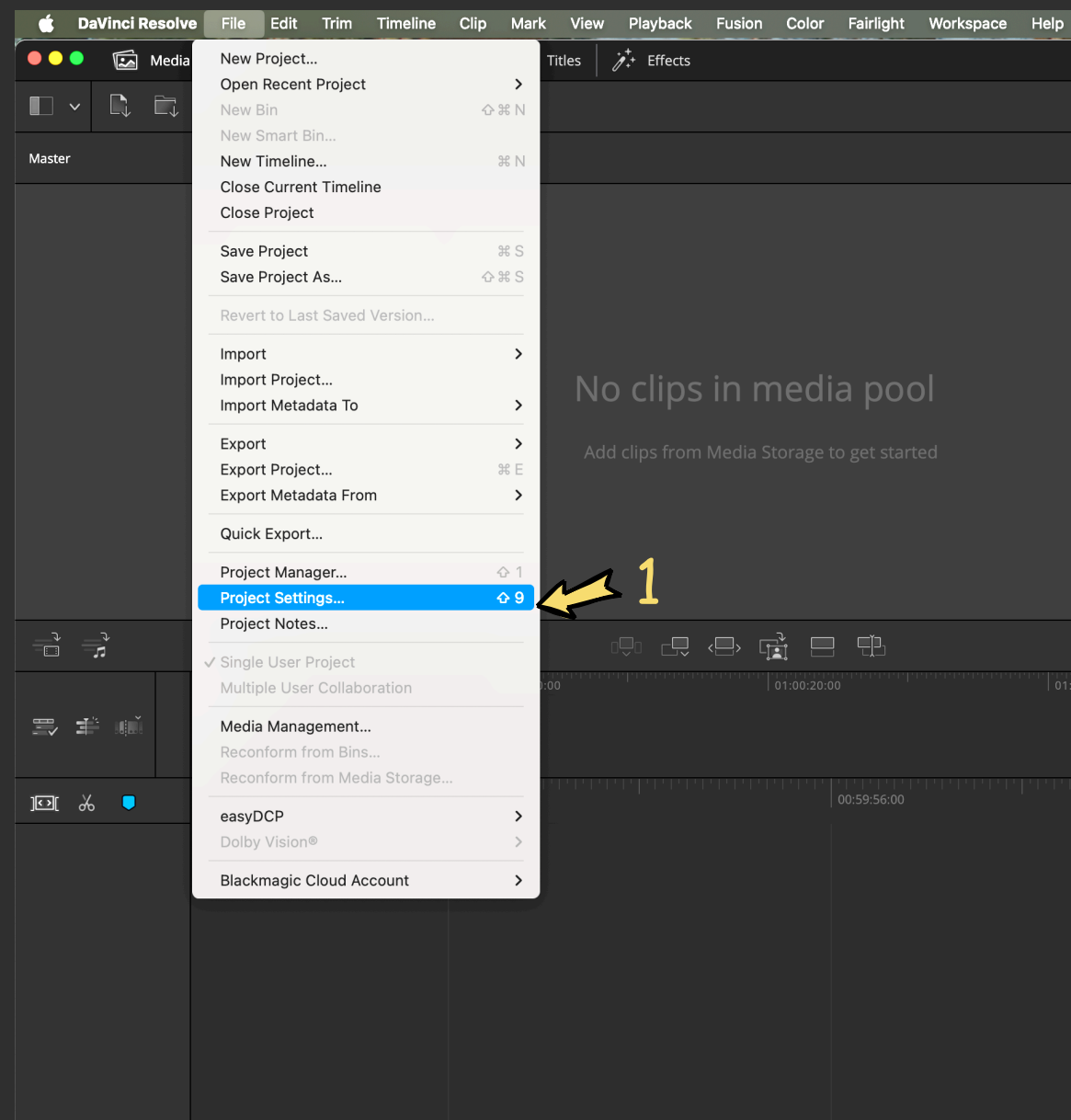
Paper Color - Sets the background paper color visible through and around the ink.

Edge Color - Sets the color used for detected edge lines when edges are enabled.



DCTL Installation

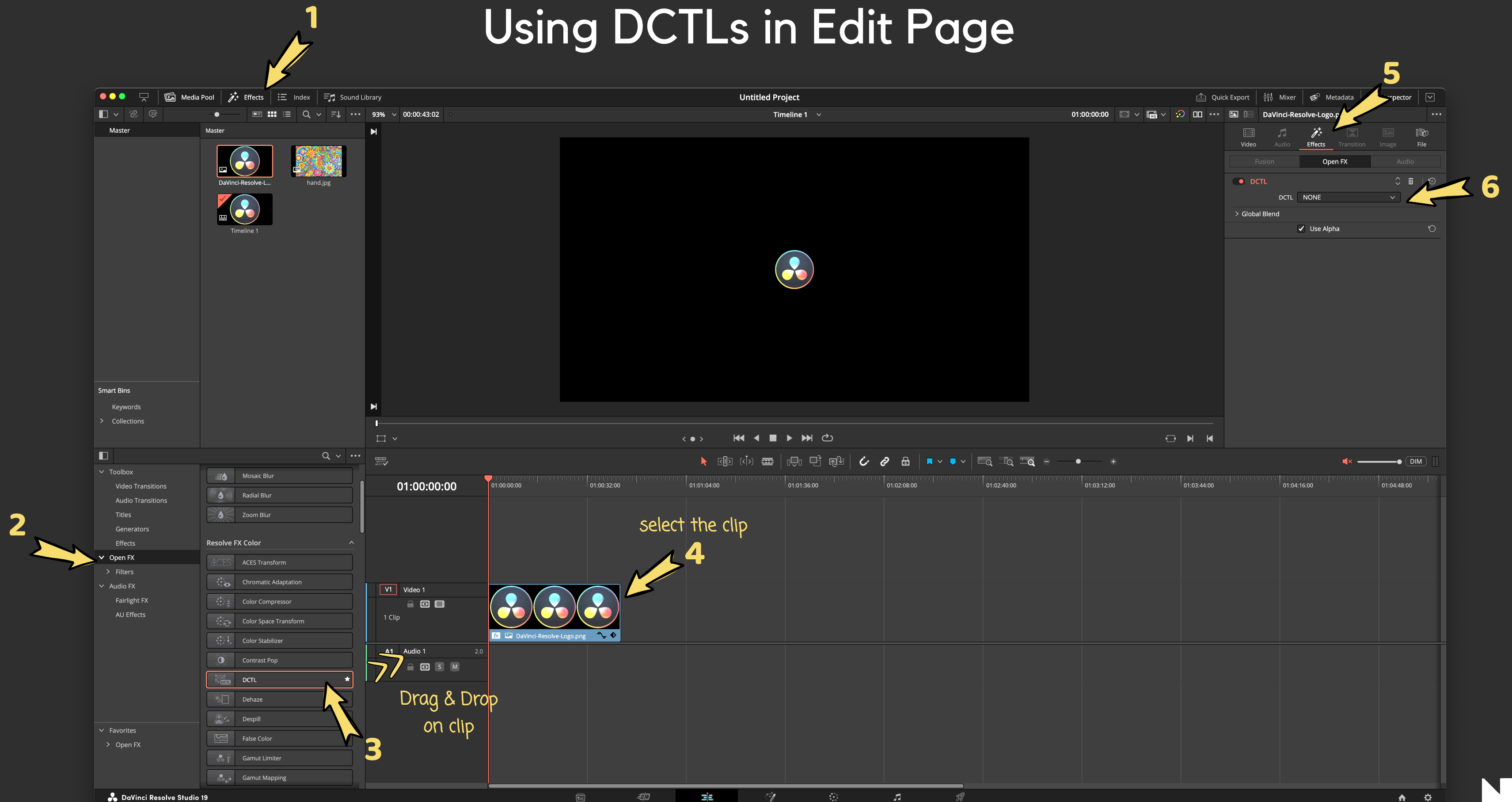
1. Go to the (Menu) File -> Project Settings
2. Navigate to “Color Management” then “Lookup Tables”.
3. Click “Open LUT Folder” to open the LUT folder within Explorer.
4. Copy and Paste Nx Resolve.dctl into the LUT folder.
5. Restart Resolve.



COLOR

nxcolor.com

Using DCTLs in Edit Page



Using DCTLs in Fusion Page

1

2

Drag & Drop on flow

3

4

5

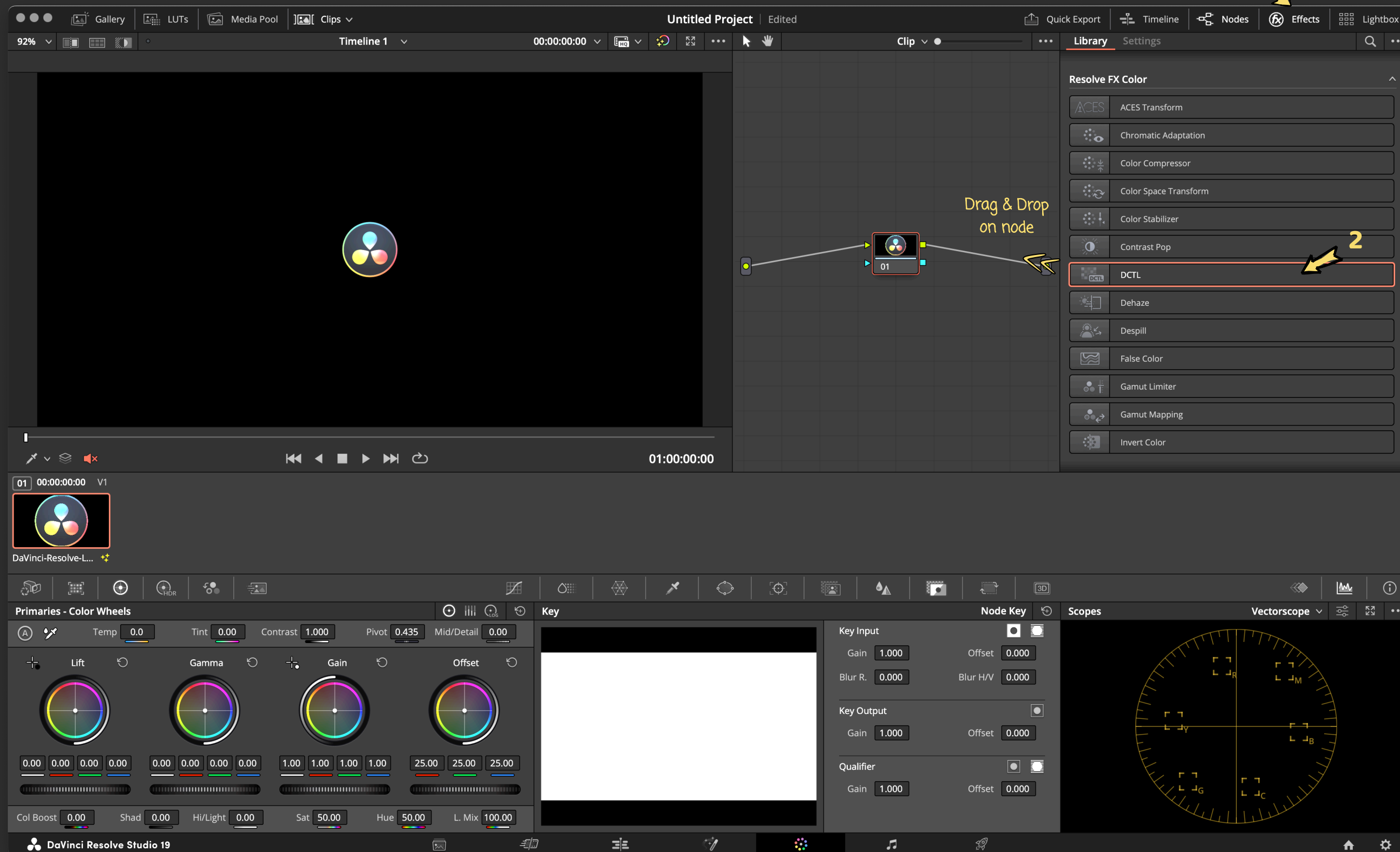
The screenshot displays the DaVinci Resolve Studio 19 interface in the Fusion page. The top toolbar shows the 'Effects' tab selected. The left sidebar contains the 'Effects' panel with various tool categories. The 'Resolve FX Color' section is expanded, showing the 'DCTL' effect highlighted. The central preview window shows a 1447x1447xfloat32 image of a three-leaf clover. The bottom panel shows the 'Nodes' panel with a workflow: 'MediaIn1' -> 'DCTL1' -> 'MediaOut1'. The 'Inspector' panel on the right shows the 'DCTL1' settings, with the 'DCTL' dropdown menu set to 'NONE'.



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Using DCTLs in Color Page



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