



An *awesome* framework you can use to make 2D games in Lua.

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Postprocesamiento

• Librería Externa

Moonshine

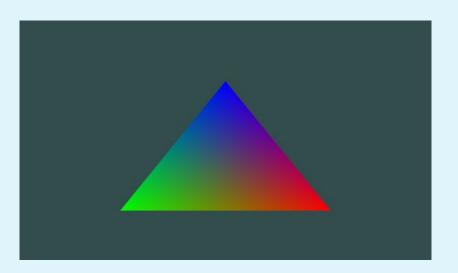






Shaders en LÖVE

GLSL







Shaders en LÖVE

BoxBlur



Currently, moonshine contains the following effects (in alphabetical order):

- boxblur: simple blurring
- chromasep: cheap/fake chromatic aberration
- colorgradesimple: weighting of color channels
- crt: crt/barrel distortion
- · desaturate: desaturation and tinting
- dmg: Gameboy and other four color palettes
- fastgaussianblur: faster Gaussian blurring
- filmgrain: image noise
- gaussianblur: Gaussian blurring
- glow: aka (light bloom
- godsray: aka light scattering
- pixelate: sub-sampling (for that indie look)
- posterize: restrict number of colors
- scanlines: horizontal lines
- sketch: simulate pencil drawings
- vignette: shadow in the corners



- DMG
 - Efecto GameBoy



- Glow
 - Luminosidad





Glow

Luminosidad

DMG

end

Efecto GameBoy

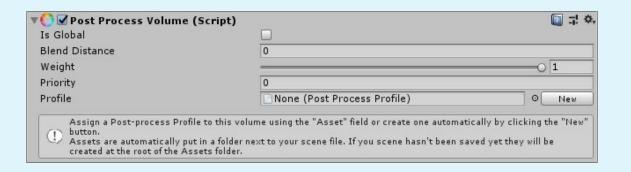
```
name = "greyscale",
                                                                       name = "green",
local lookup_palette = function(name)
                                                                                                  colors = {
                                                                       colors = {
  for ,palette in pairs(palettes) do
                                                                                                    {56/255,56/255,56/255},
                                                                         {8/255,56/255,8/255},
    if palette.name == name then
                                                                                                    {117/255,117/255,117/255}
                                                                         {48/255,96/255,48/255},
      return palette
                                                                         {136/255,168/255,8/255},
                                                                                                    {178/255,178/255,178/255}
    end
                                                                                                    (239/255,239/255,239/255)
                                                                         {183/255,220/255,17/255}
  end
                                                                                                  name - "stark_bw",
end
                                                                        name - "dark yellow".
                                                                                                  colors - {
                                                                        colors = {
                                                                                                    (0/255,0/255,0/255),
                                                                          {33/255,32/255,16/255},
local is valid palette = function(v)
                                                                          (107/255,105/255,49/255),
                                                                                                    (117/255,117/255,117/255),
  -- Needs to match: {{R,G,B},{R,G,B},{R,G,B},{R,G,B}}
                                                                                                    {178/255,178/255,178/255},
                                                                          {181/255,174/255,74/255},
  if #v ~= 4 then return false end
                                                                                                    {255/255,255/255,255/255}
                                                                          {255/255,247/255,123/255}
                                                                       name = "light yellow",
                                                                                                   name = "pocket",
  for i = 1,4 do
                                                                                                   colors = {
                                                                       colors = {
    if type(v[i]) ~= "table" or #v[i] ~= 3 then return false end
                                                                                                    (108/255,108/255,78/255).
                                                                         {102/255,102/255,37/255},
    for c = 1,3 do
                                                                                                    {142/255,139/255,87/255},
                                                                         {148/255,148/255,64/255},
      if type(v[i][c]) ~= "number" then return false end
                                                                         (208/255,208/255,102/255),
                                                                                                     {195/255,196/255,165/255},
      local x = v[i][c]
                                                                         {255/255,255/255,148/255}
                                                                                                    (227/255,230/255,201/255)
      if x > 1 then x = x / 255 end
      if x < 0 or x > 1 then return false end
      v[i][c] = x
    end
  return true
```

```
-- 1st pass: draw scene with brightness threshold
  love.graphics.setCanvas(front)
 love.graphics.clear()
  love.graphics.setShader(threshold)
  love.graphics.draw(scene)
  -- 2nd pass: apply blur shader in x
  blurshader:send('direction', {1 / love.graphics.getWidth(), 0})
  love.graphics.setCanvas(back)
  love.graphics.clear()
  love.graphics.setShader(blurshader)
  love.graphics.draw(front)
  -- 3nd pass: apply blur shader in y and draw original and blurred scene
  love.graphics.setCanvas(front)
  love.graphics.clear()
  -- original scene without blur shader
  love.graphics.setShader()
  love.graphics.setBlendMode("add", "premultiplied")
  love.graphics.draw(scene) -- original scene
  -- second pass of light blurring
  blurshader:send('direction', {0, 1 / love.graphics.getHeight()})
  love.graphics.setShader(blurshader)
  love.graphics.draw(back)
  -- restore things as they were before entering draw()
  love.graphics.setBlendMode("alpha", "premultiplied")
 scene = back
end
```

LÖVE vs Unity

Sistema de Componente "Volume"

Más completo y versátil

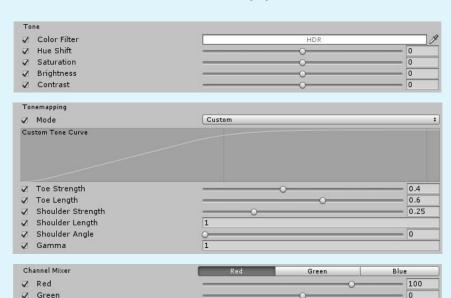




Color-Grading

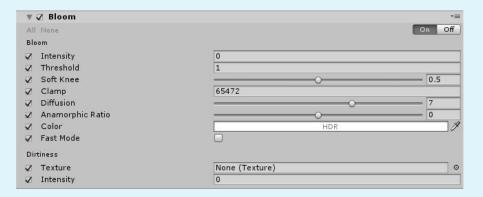
✓ Blue

o Efecto GameBoy y más



Bloom

Luminosidad



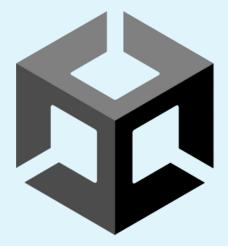


- LÖVE
- Todo por código
- Menos opciones
- Librerías Externas
- Más complicado



Unity

- Facilidad por Editor y código
- Más opciones
- Integrado en el Motor
- Más sencillo



Gracias por vuestra atención

¿Alguna pregunta o sugerencia?