

# Render Like a Photographer

Ramy Hanna

Partner - TILTPIXEL

 @ramy3D

# Class summary

Back by popular demand—this class will guide you through the essentials of creating a stunning image. Nowadays it's not enough to just know how to create a rendering; to sell your image it's important to know the vital rules and principles of photography. This timeless class will break down the principles of well-known architectural photographs and renderings and translate them to creating renderings using 3ds Max software. This class will also highlight photographic elements and demonstrate how to apply them to 3D renderings. So whether you want to create better renderings or learn more about photography, this class is for you.



# Key learning objectives

At the end of this class, you will be able to:

- Learn how to differentiate good renderings and photos from the bad ones
- Discover the 3 principles of photography
- Discover the 4 rules of photography composition
- Discover at least 4 photographic phenomena and how they affect images





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Once upon a time...







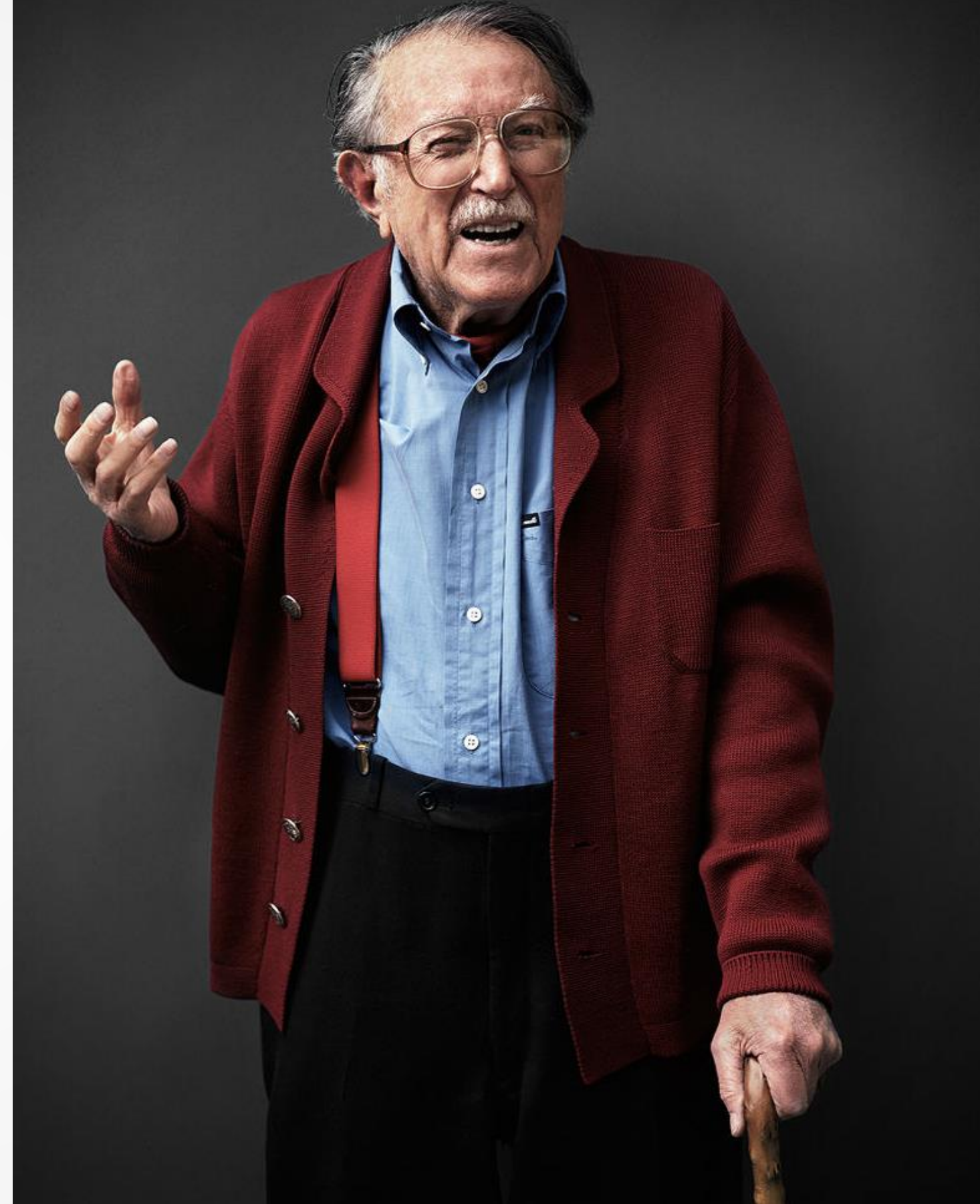




# Photography Examples



# Julius Shulman





# Case Study House #22





# Singleton House





# Kaufmann House





# Ezra Stoller





# TWA Terminal – JFK Airport





# Marin County Civic Center





# Kitt Peak National Observatory

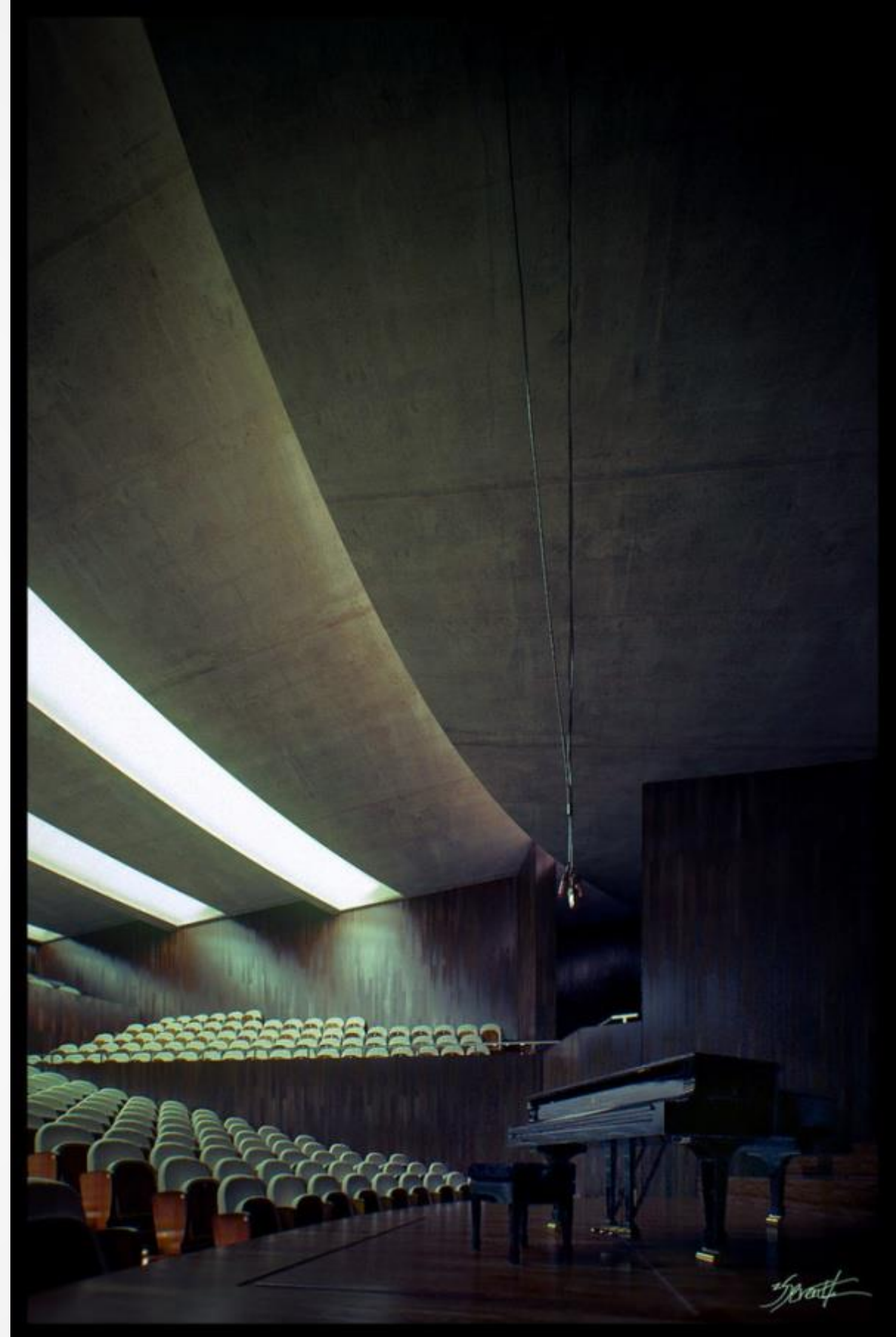




# 3D Examples

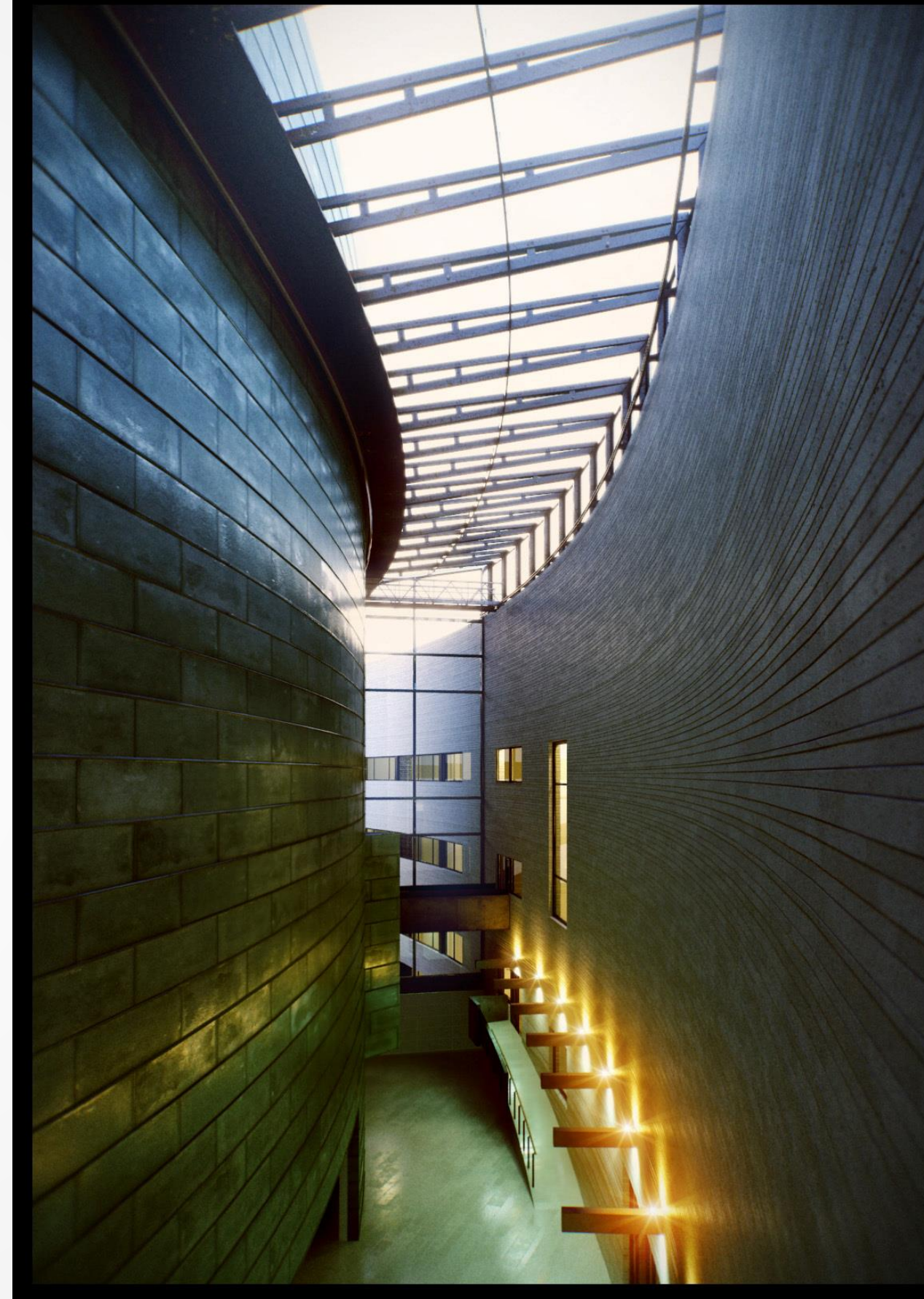


# Alex Roman





# Viktor Fretyán



bandedartgroup





# Peter Guthrie





# Principles of Photography



# 3 Principles of Photography

- Mood / lighting
- Staging
- Composition



# Mood / Lighting



# Mood / Lighting





# Mood / Lighting





# Mood / Lighting





# Mood / Lighting





# Mood / Lighting





# Mood / Lighting





# Mood / Lighting





# Staging



# Staging





# Staging





# Composition



# 4 Rules of Composition

- Rule of Thirds
- Straight Verticals
- Diagonals to corners
- Avoid coincident edges



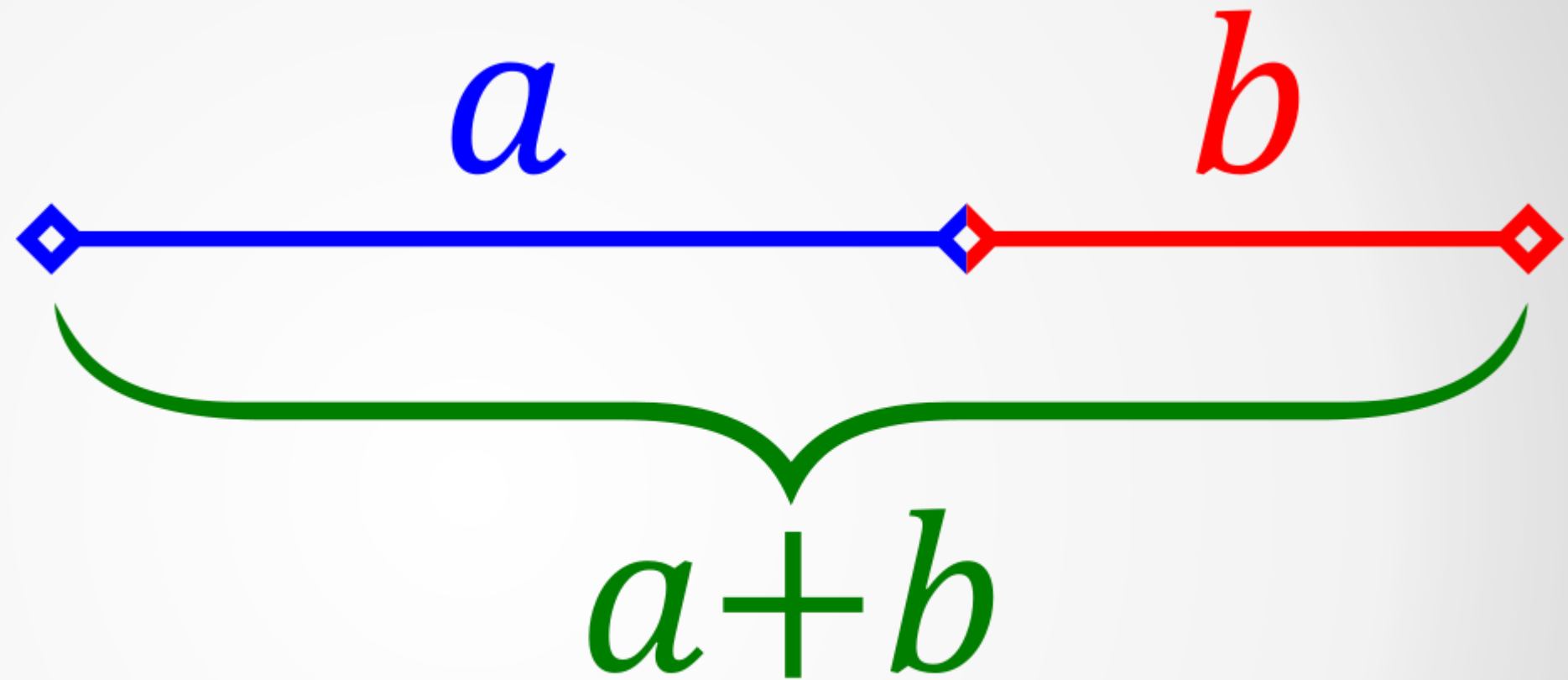
# Rule of Thirds



# Golden Ratio



Euclid



$a+b$  is to  $a$  as  $a$  is to  $b$

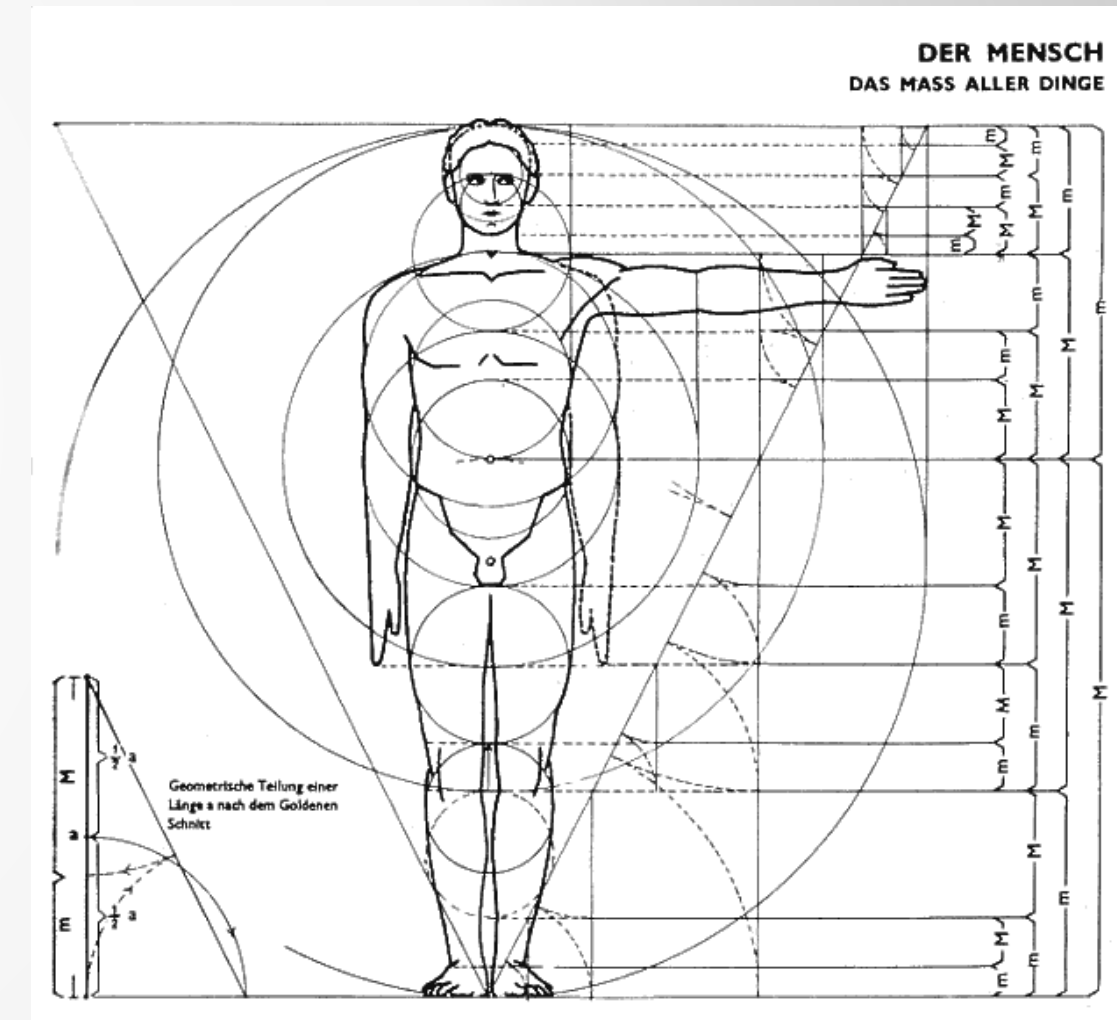
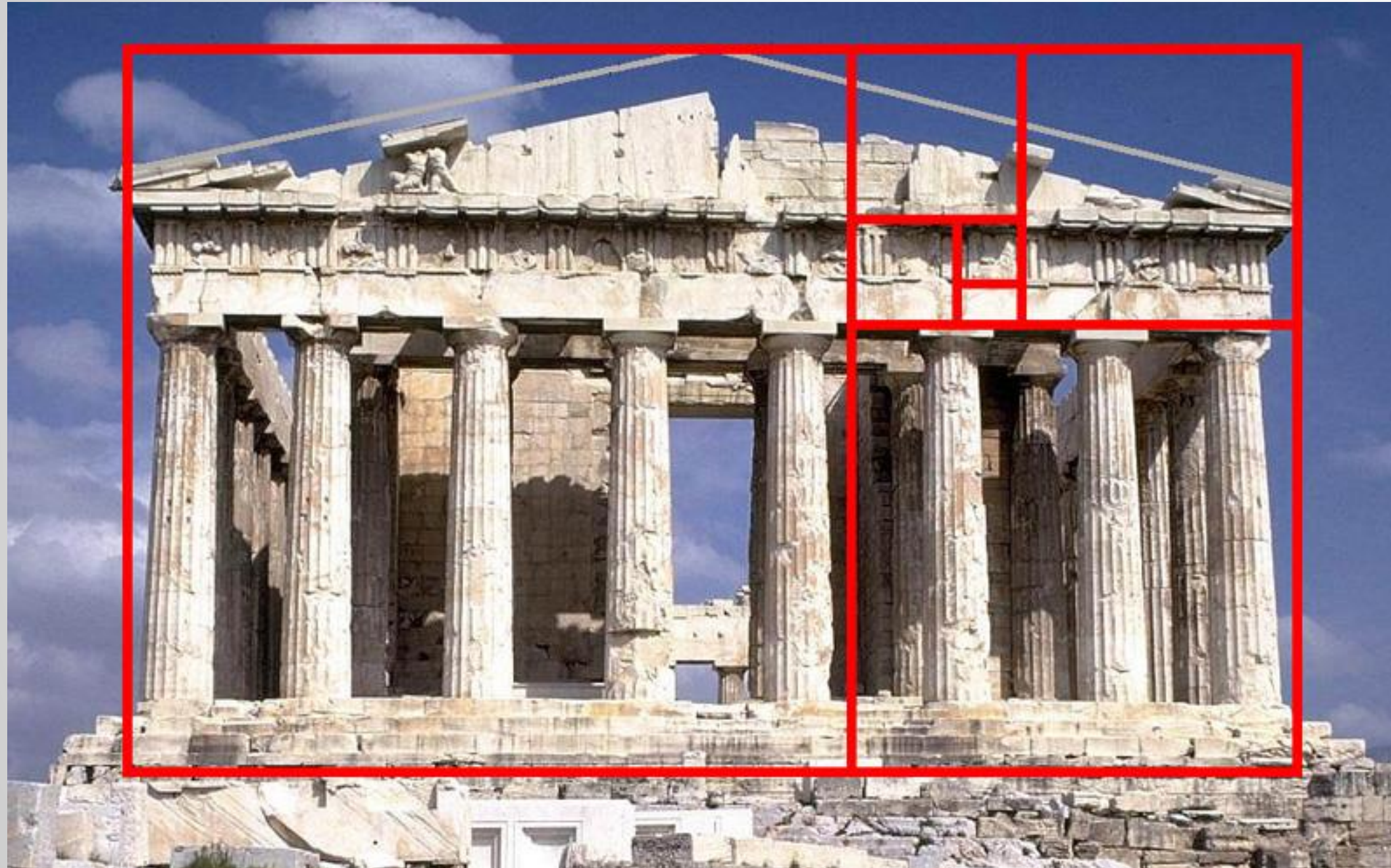


# Golden Ratio



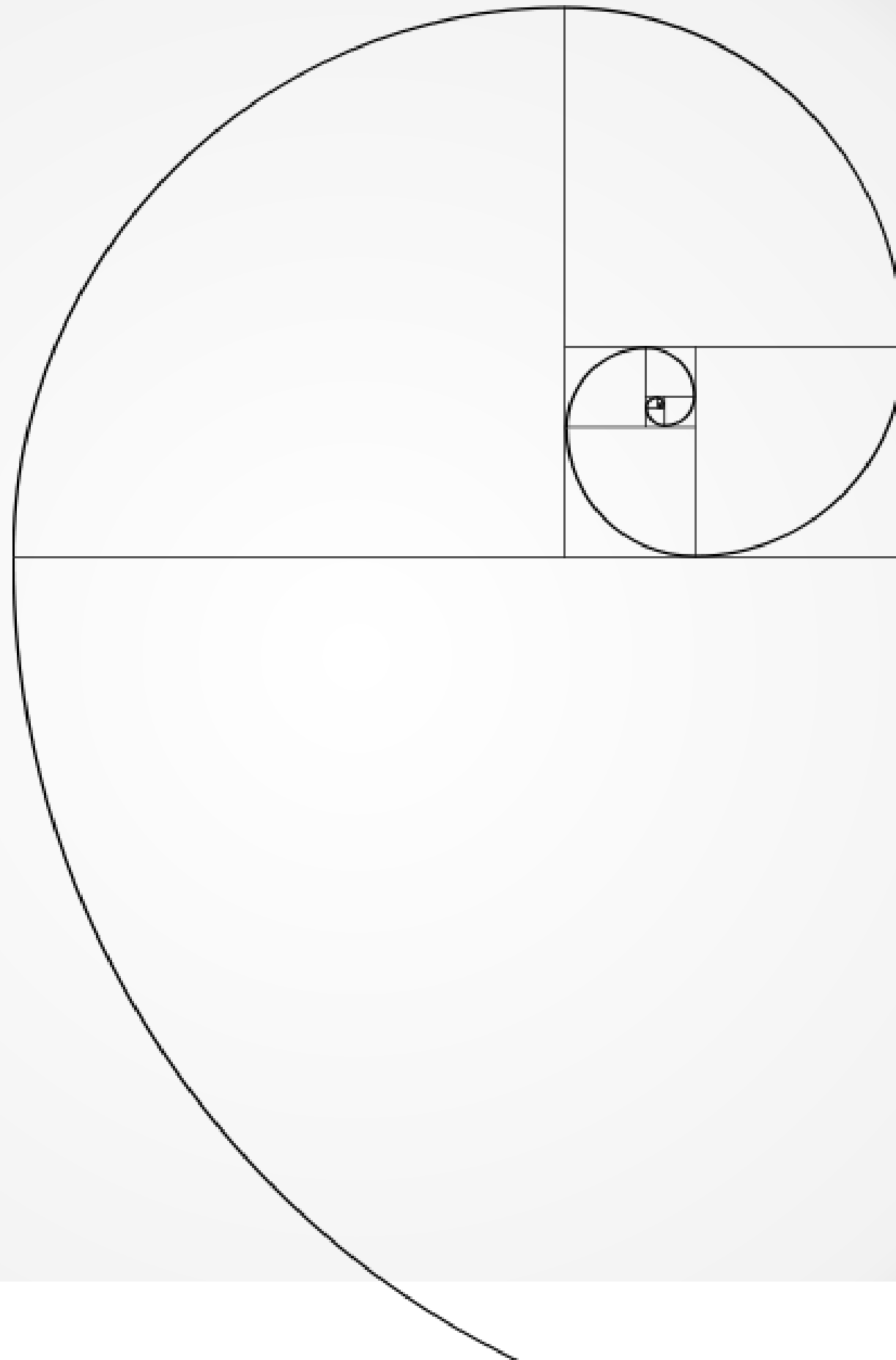


# Golden Section



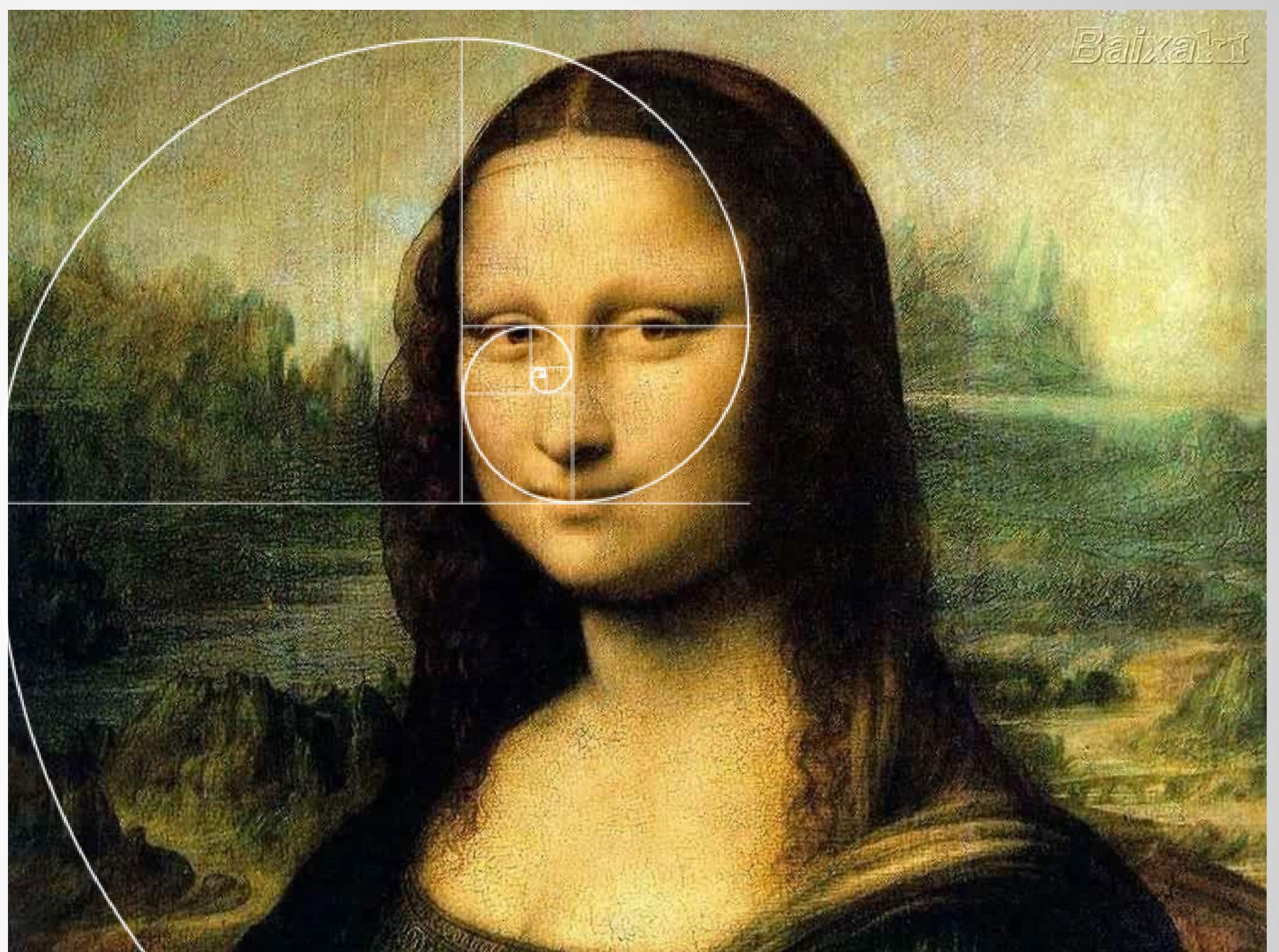


# Fibonacci Spiral



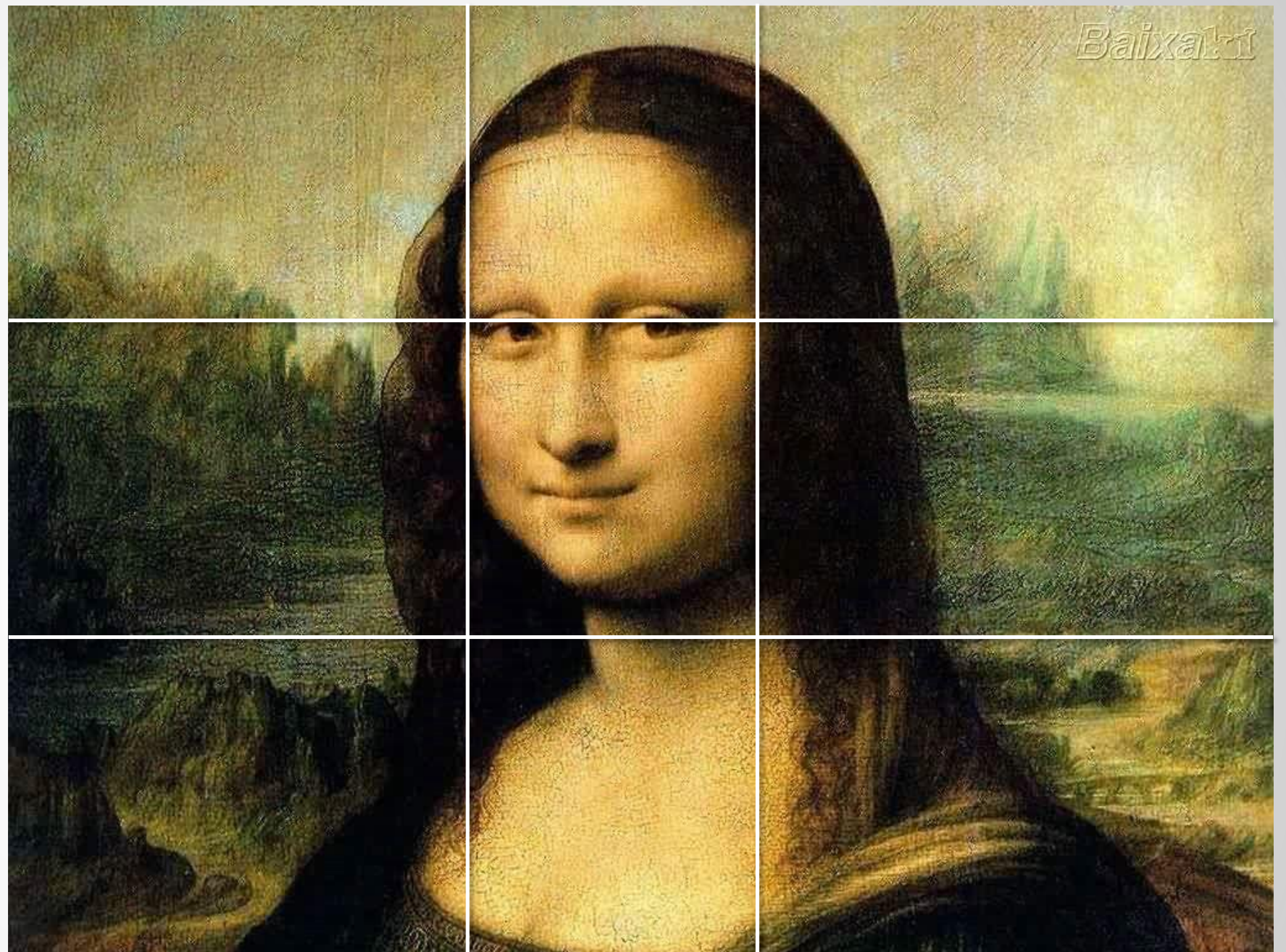


# Fibonacci Spiral



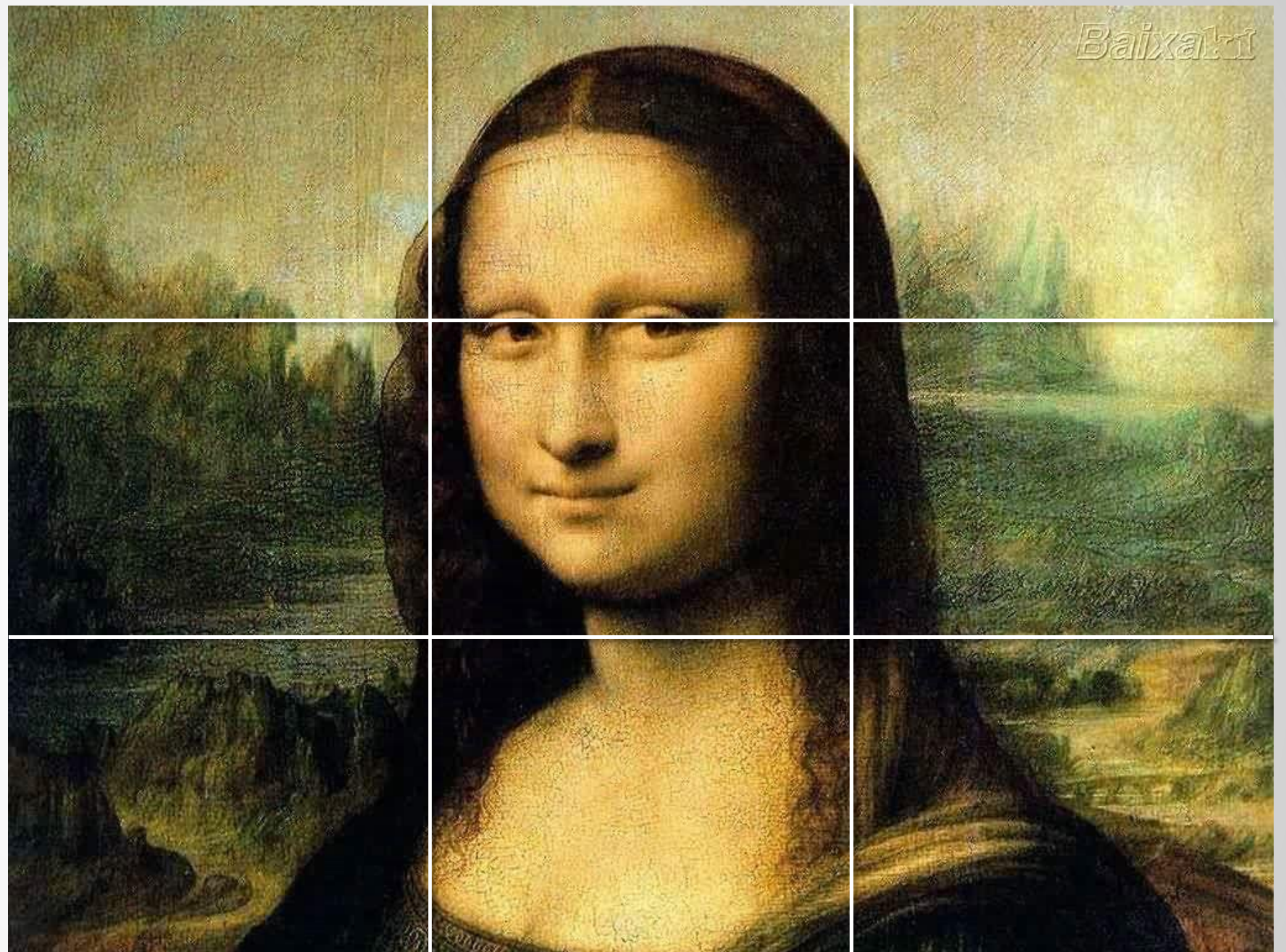


# Golden Section





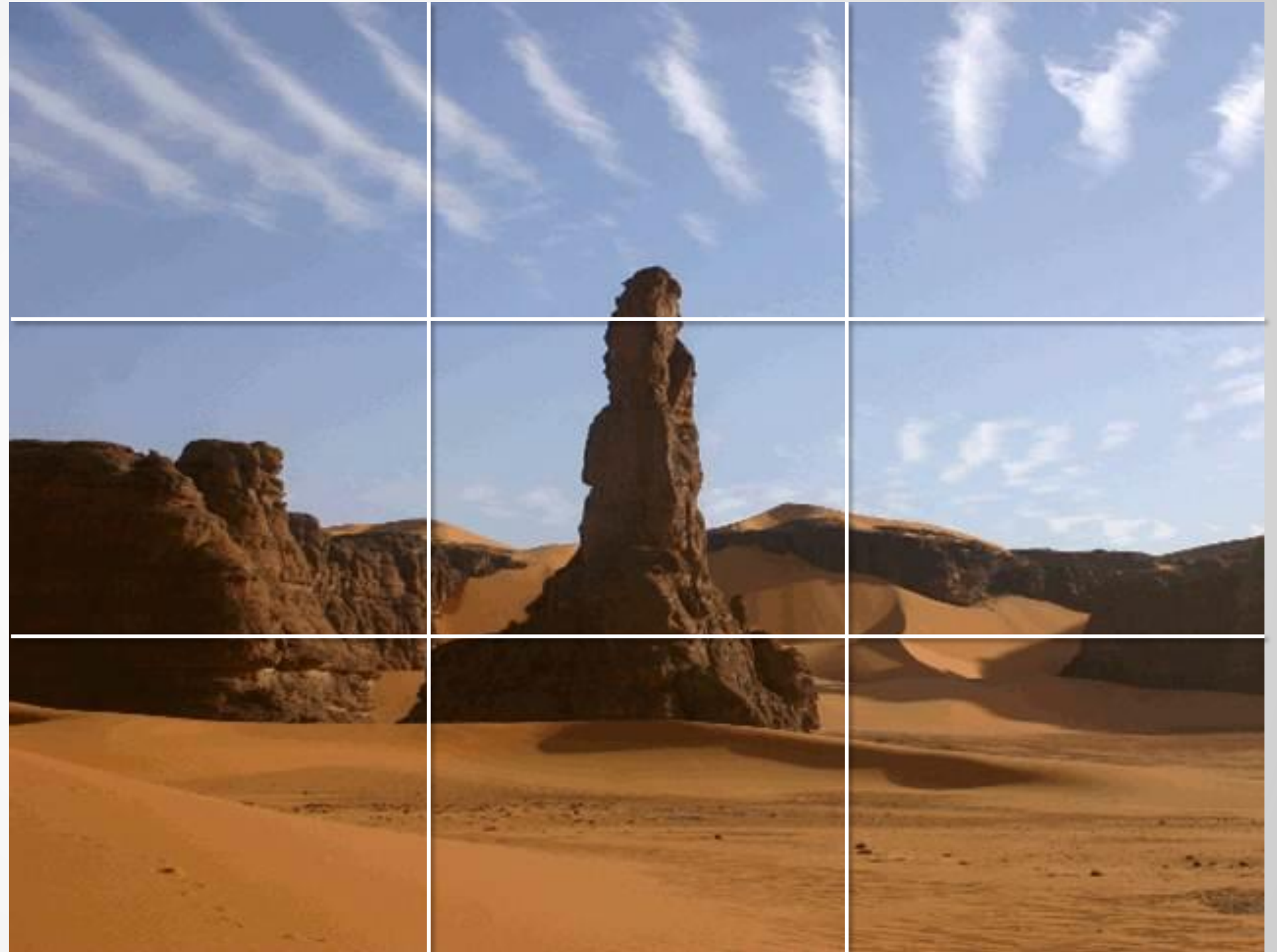
# Rule of Thirds



Baixa



# Rule of Thirds





# Rule of Thirds





# Rule of Thirds





# Rule of Thirds



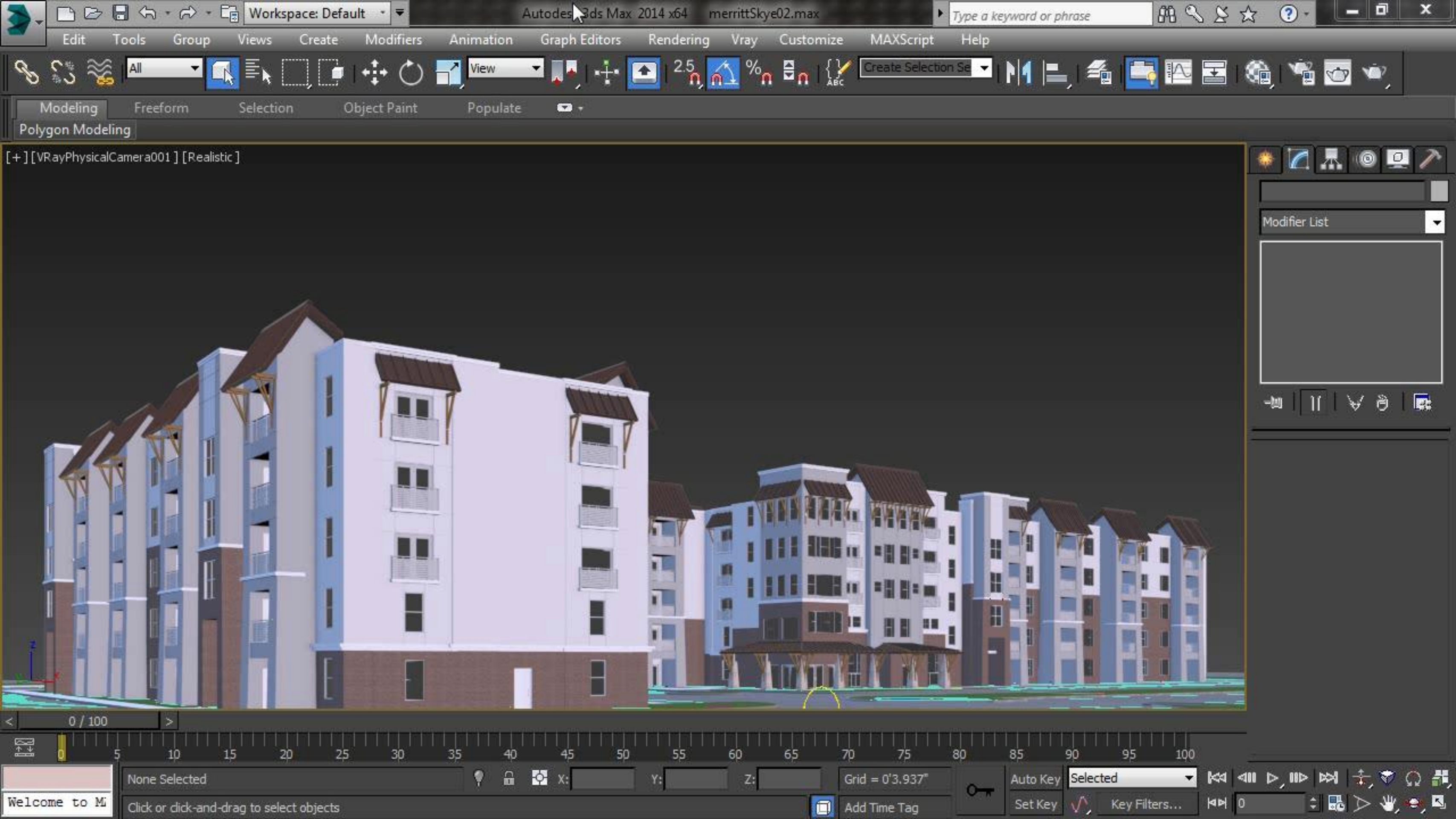


# Rule of Thirds



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# Straight Verticals





# Straight Verticals





# Straight Verticals

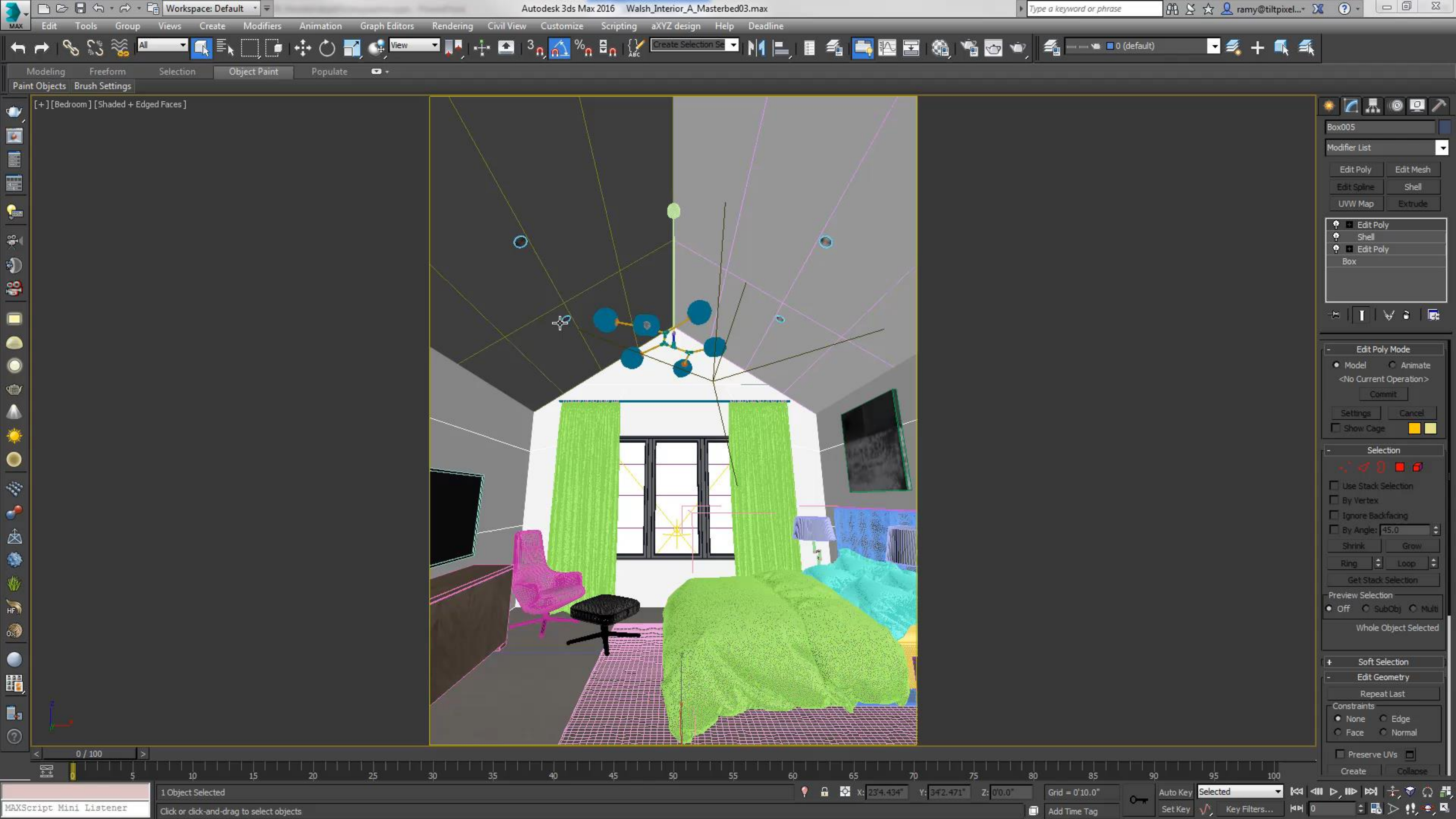




# Straight Verticals











History Adjustments Histogram Info

straightenVerticals.png

Open

Lens Correction

Layers Channels

Kind

Normal Opacity: 100%

Lock: Fill: 100%

Layer 0



# Diagonals to Corners





# Diagonals to Corners





# Avoid Coincident Edges





# Avoid Coincident Edges





# Photographic Phenomenon - Optics



# Photographic Phenomenon - Optics

- Vignetting
- Chromatic Aberration
- Barrel Distortion
- Glare / Light Blooming / Flares
- DOF



# Vignetting





# Vignetting

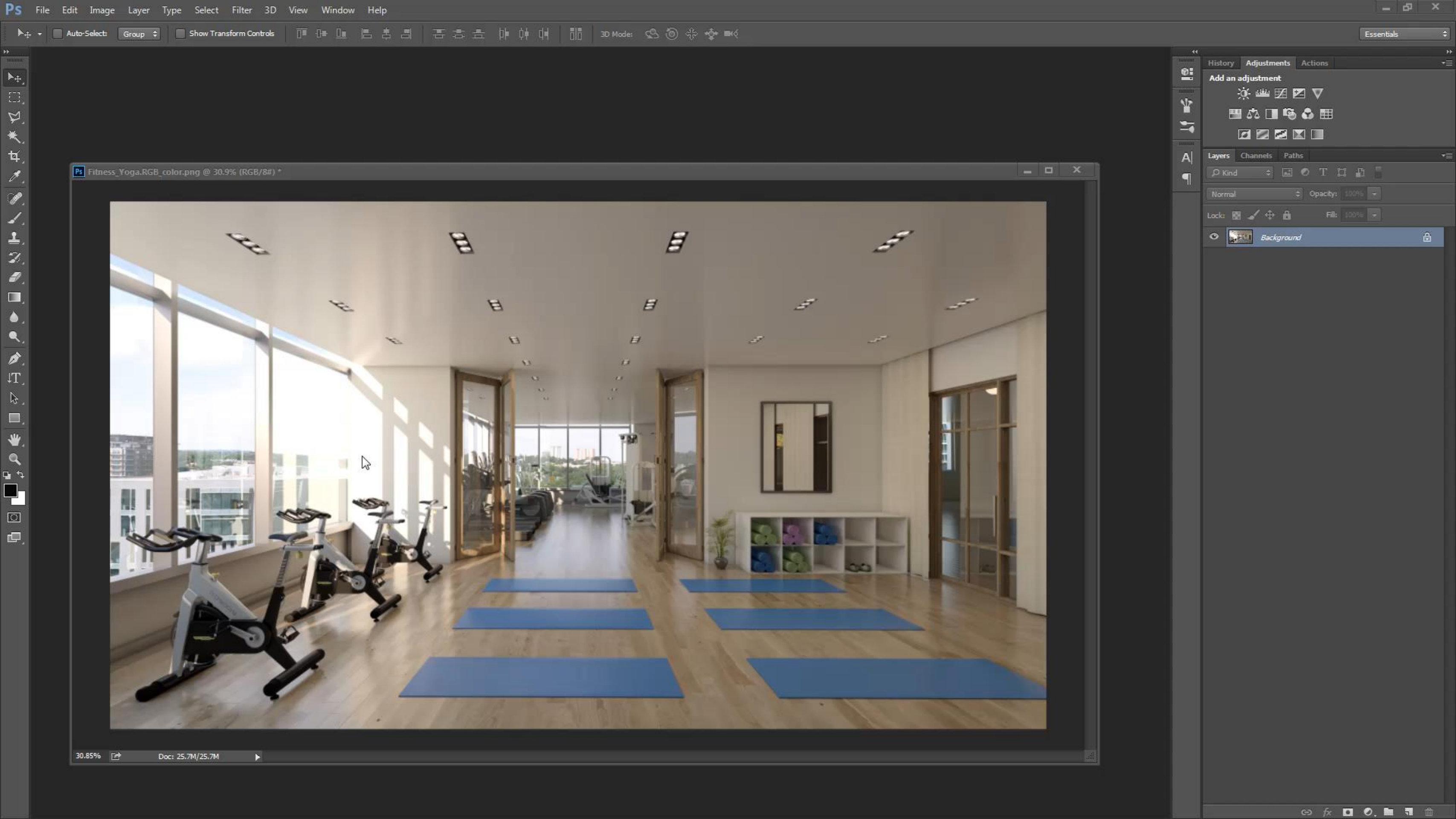




# Vignetting





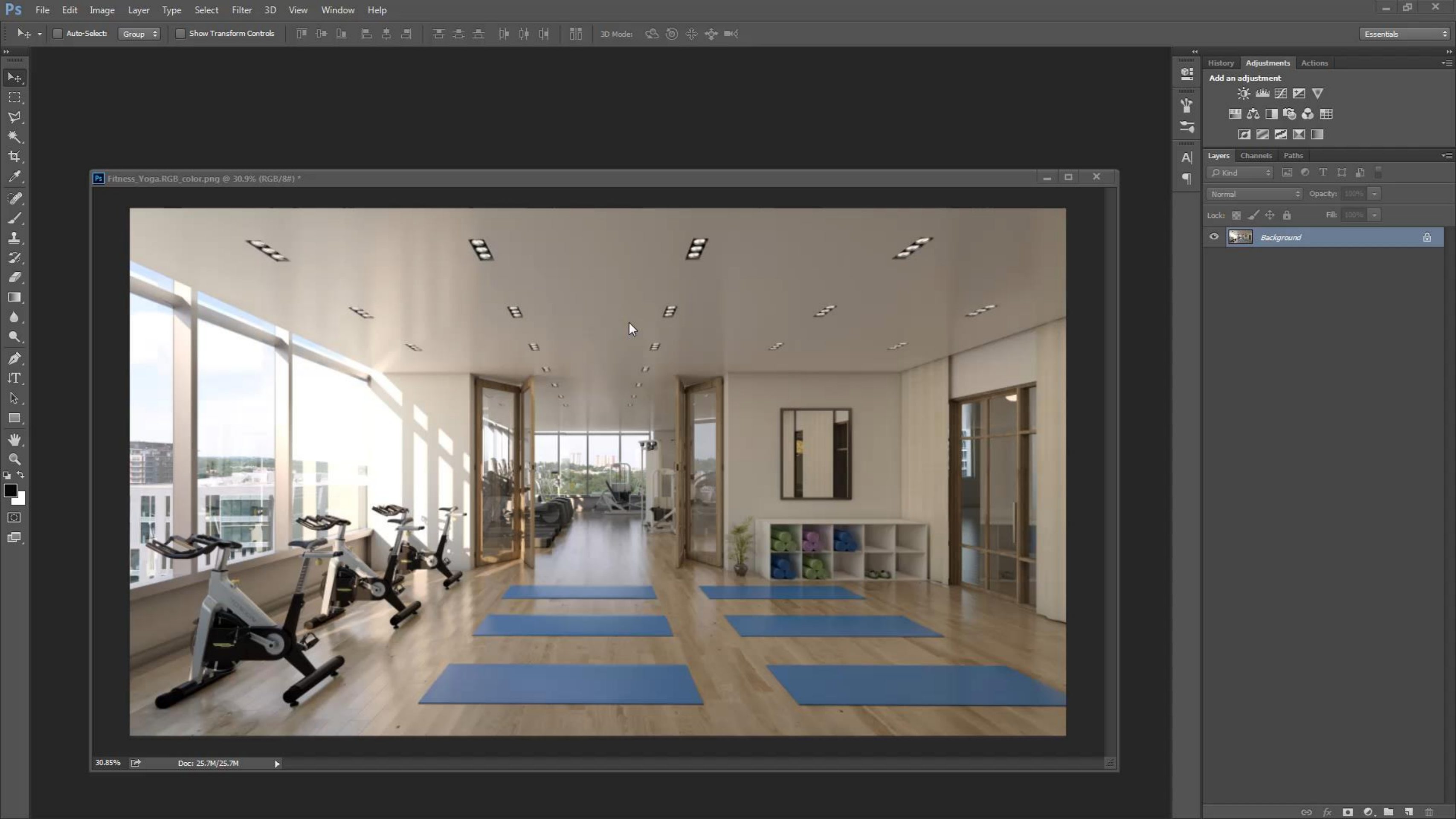




# Barrel Distortion









# Chromatic Aberration





# Chromatic Aberration

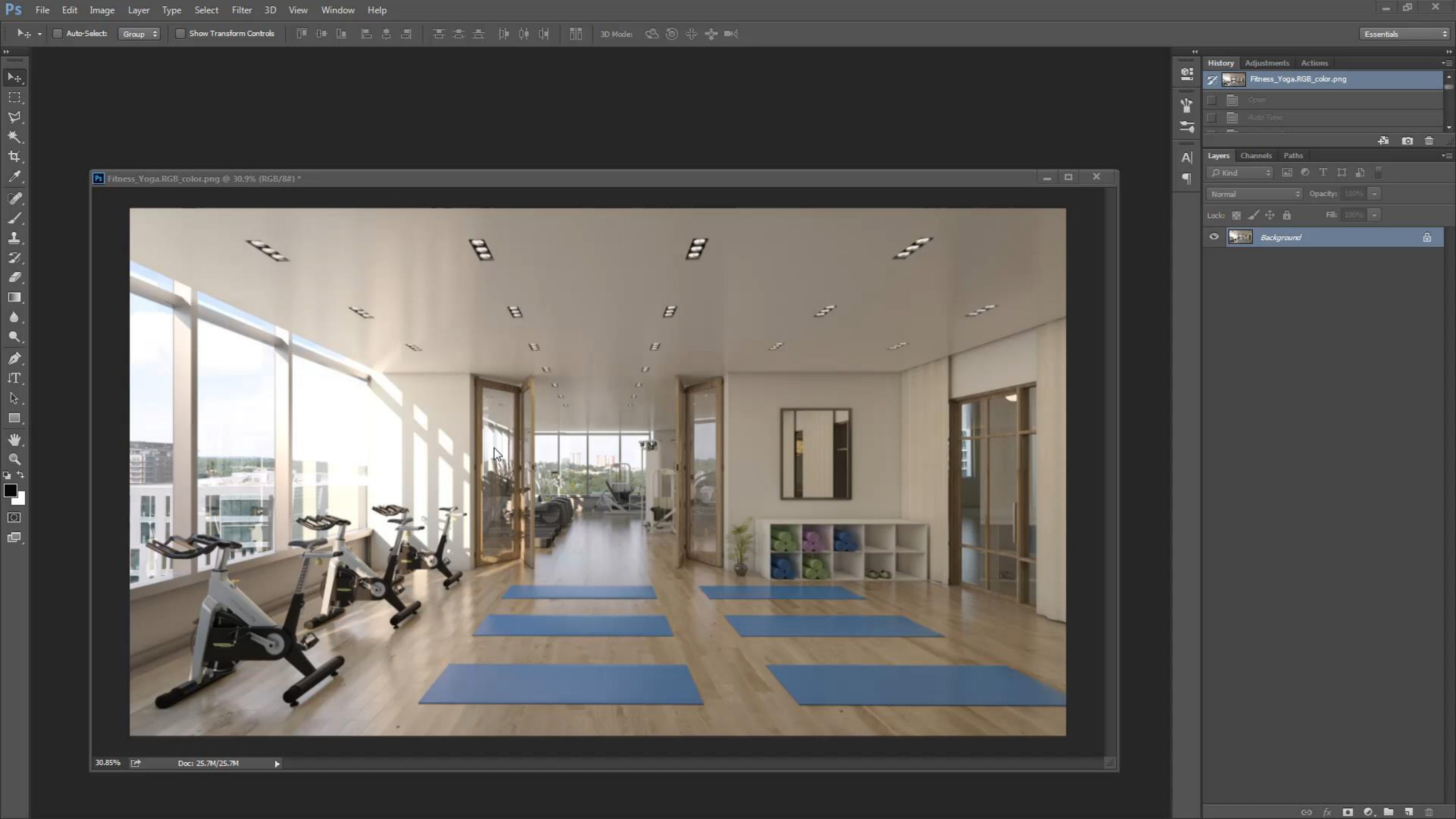




# Chromatic Aberration









# Glare / Light Bloom / Flares





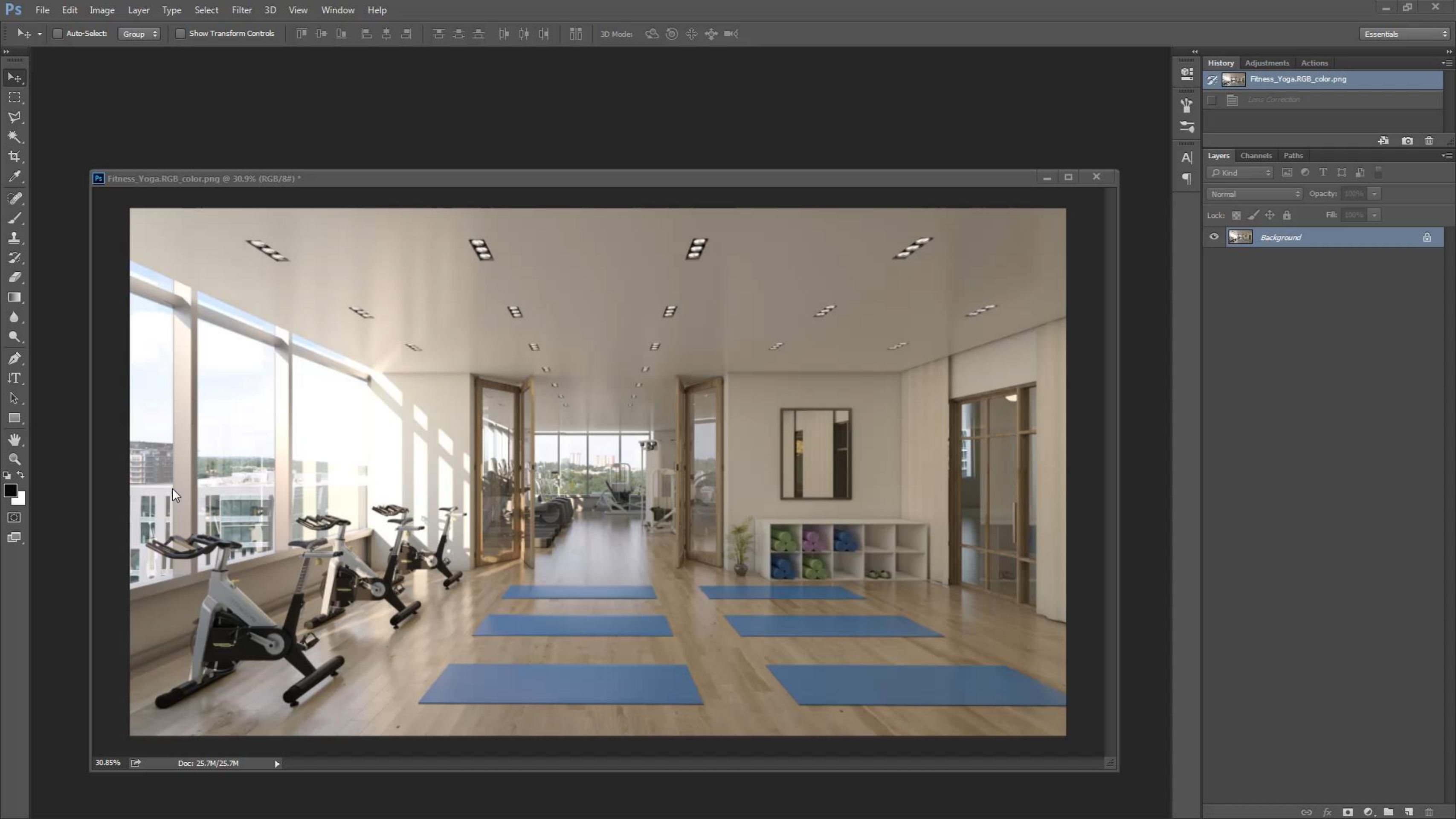
# Glare / Light Bloom / Flares









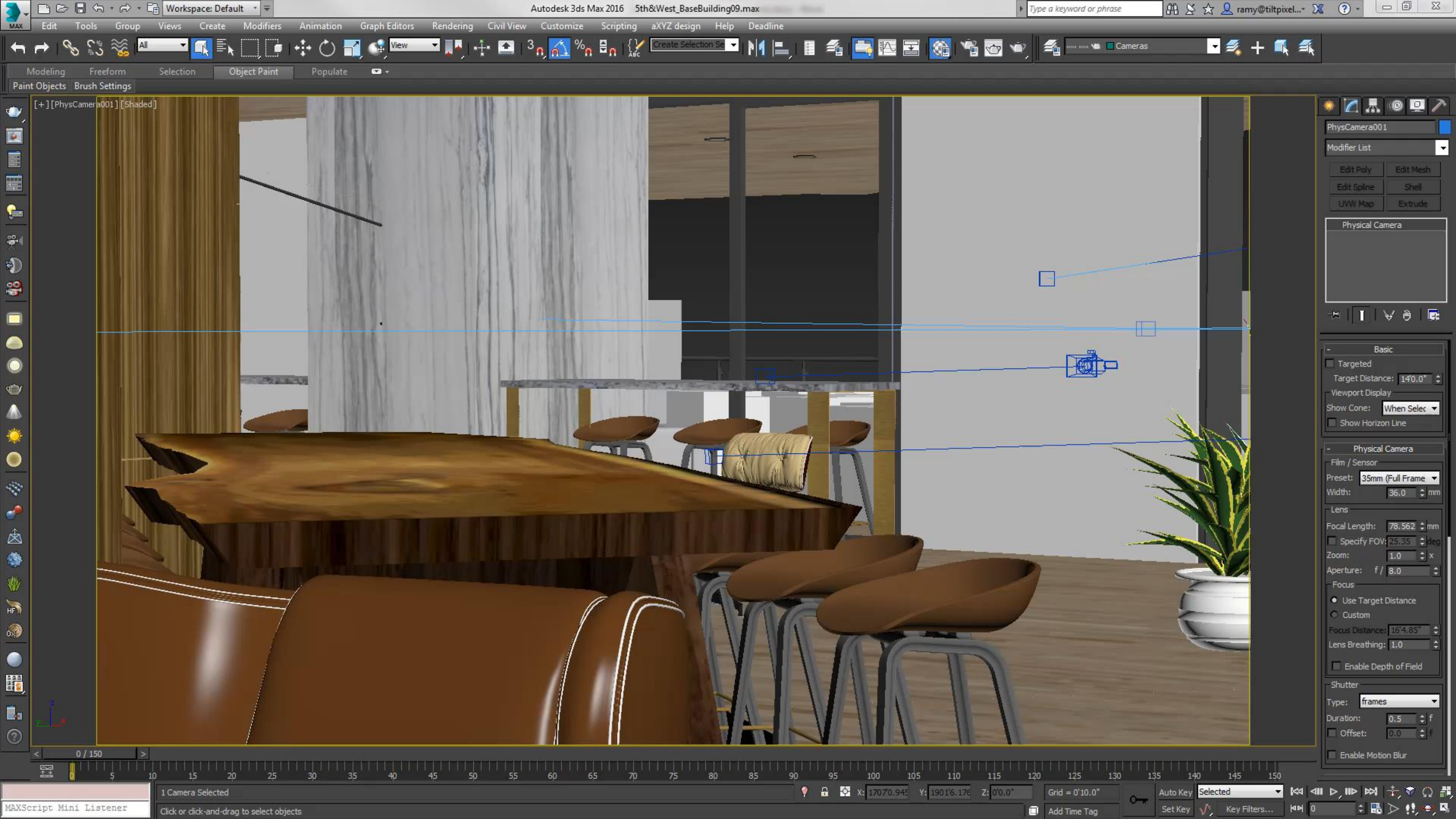




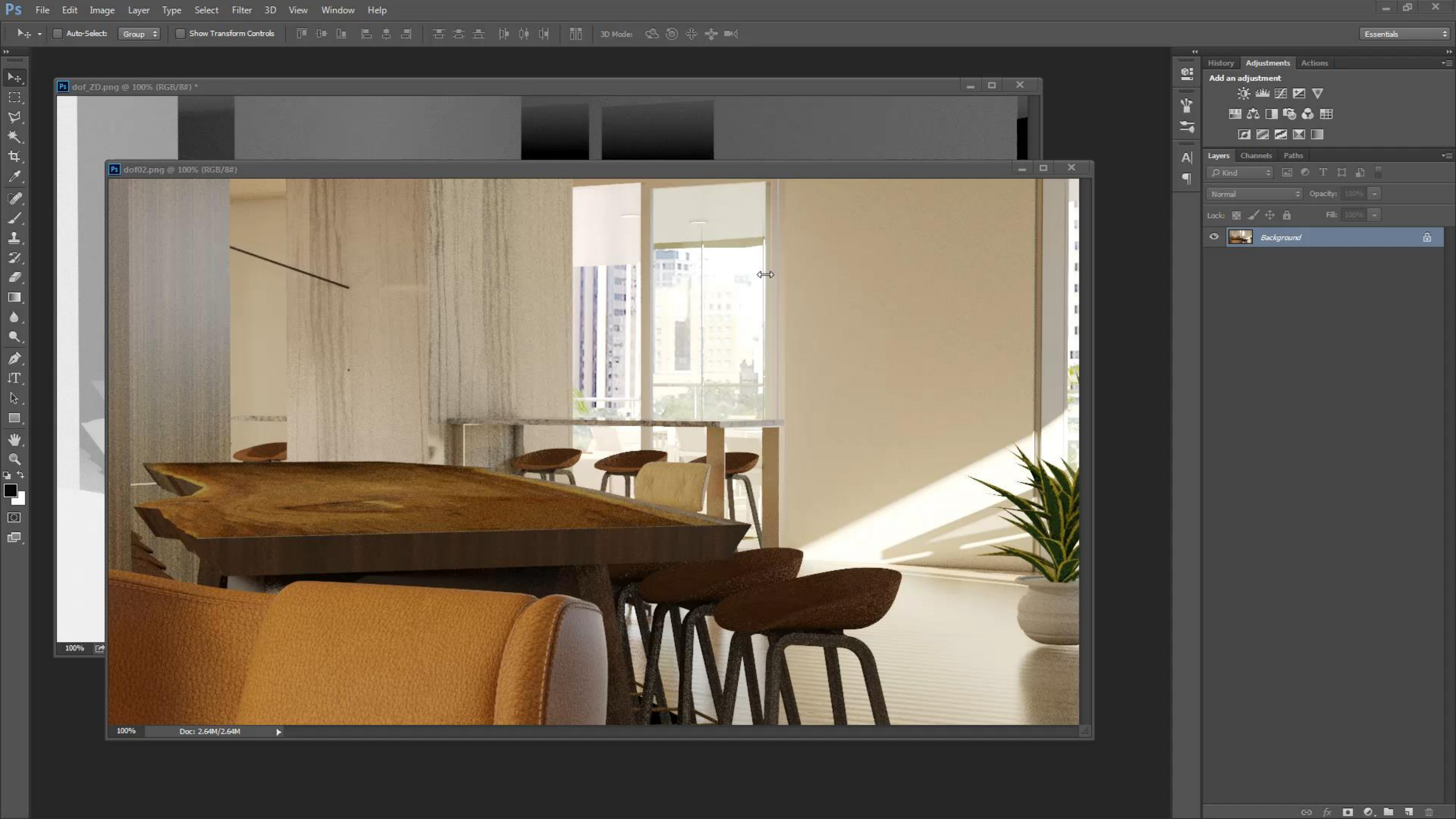
# Depth of Field















In render



PS Lens Blur



# Summary

## 3 Principles of Photography

- Mood / Lighting
- Staging
- Composition

## Photographic Phenomenon

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