Diploma in Video
– Part 5

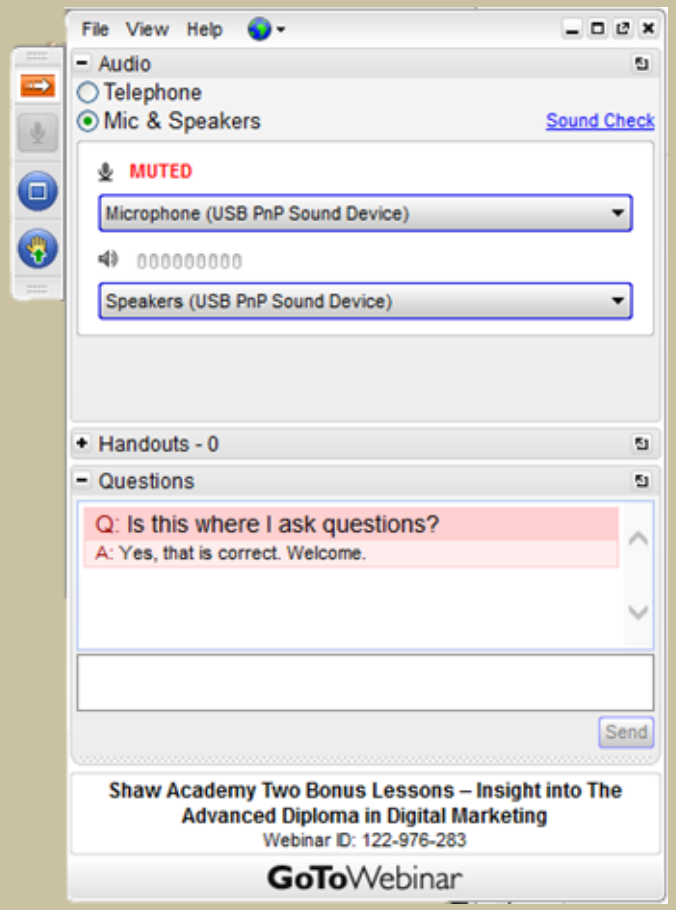
Lesson 5

White balance and Lighting

Presented by:
Adam O'Reilly Course Educator
F.E.T.A.C in Digital Media

Happy Halloween

Webinar Interaction



- **Chat box** – Type responses to the Educator

- **We will have a Q&A at the end of the lesson where you can ask questions**

Lesson 5

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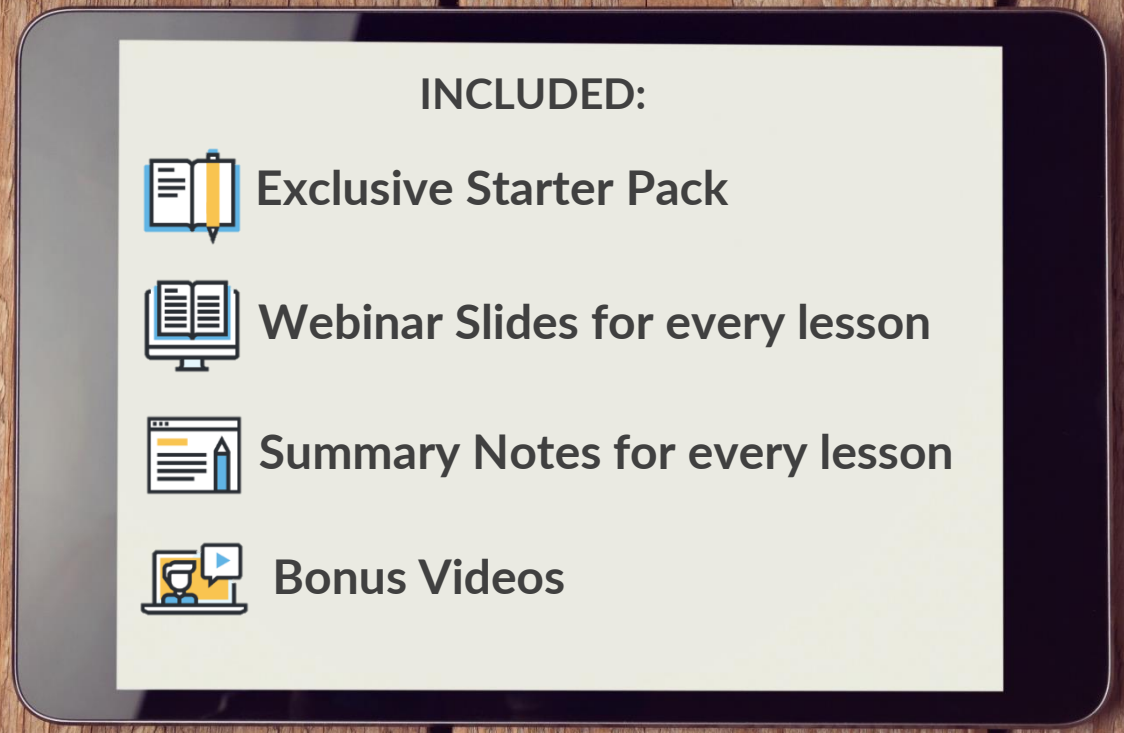
- Colour Temperature
- How to set White Balance
- Colour Theory
- Understanding light
- Basic lighting set ups
- Q & A

Why learn about these things?

- Accurately representing colour in our footage
- Visual aids to help tell our story
- Creative ideas
- Produce professional footage

VIDEO COURSE TOOL KIT



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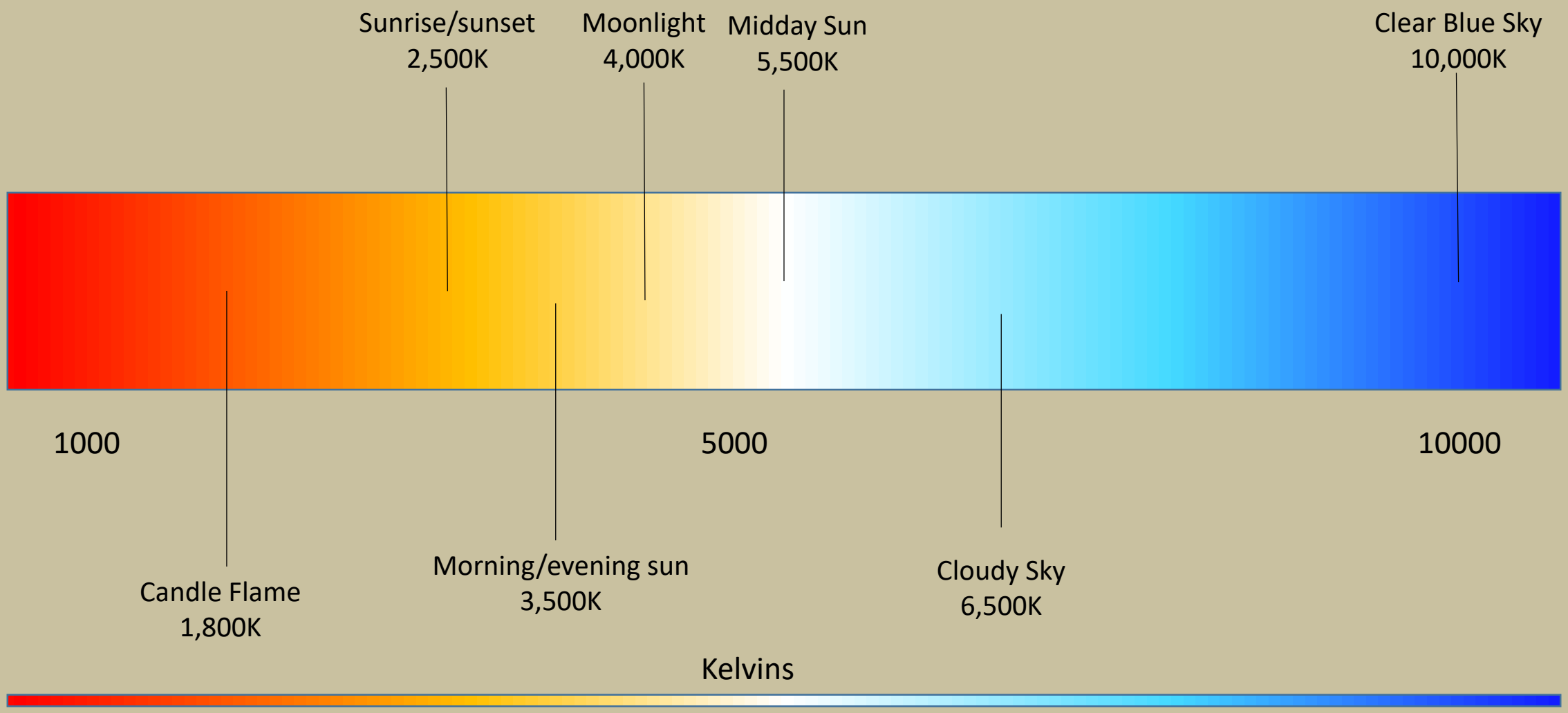
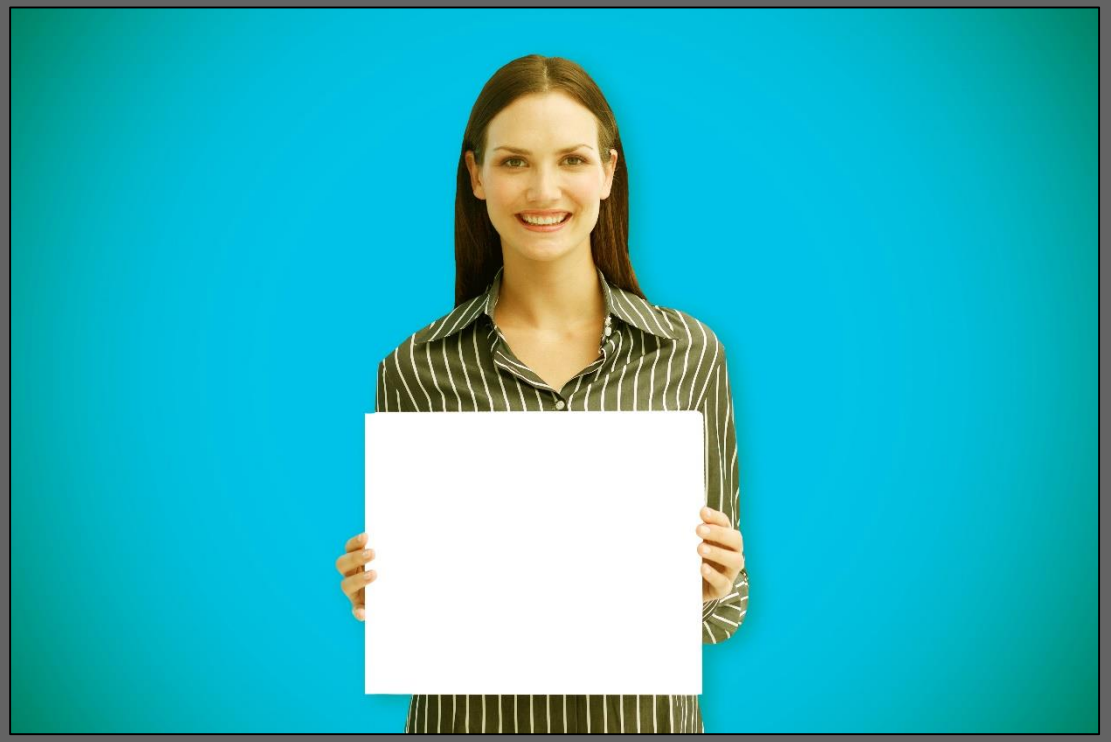
What is Colour temperature?

The temperature of white light

What is Colour temperature?



Setting WB manually



Setting White balance

Auto White Balance

Daylight

Shade

Cloudy

Tungsten

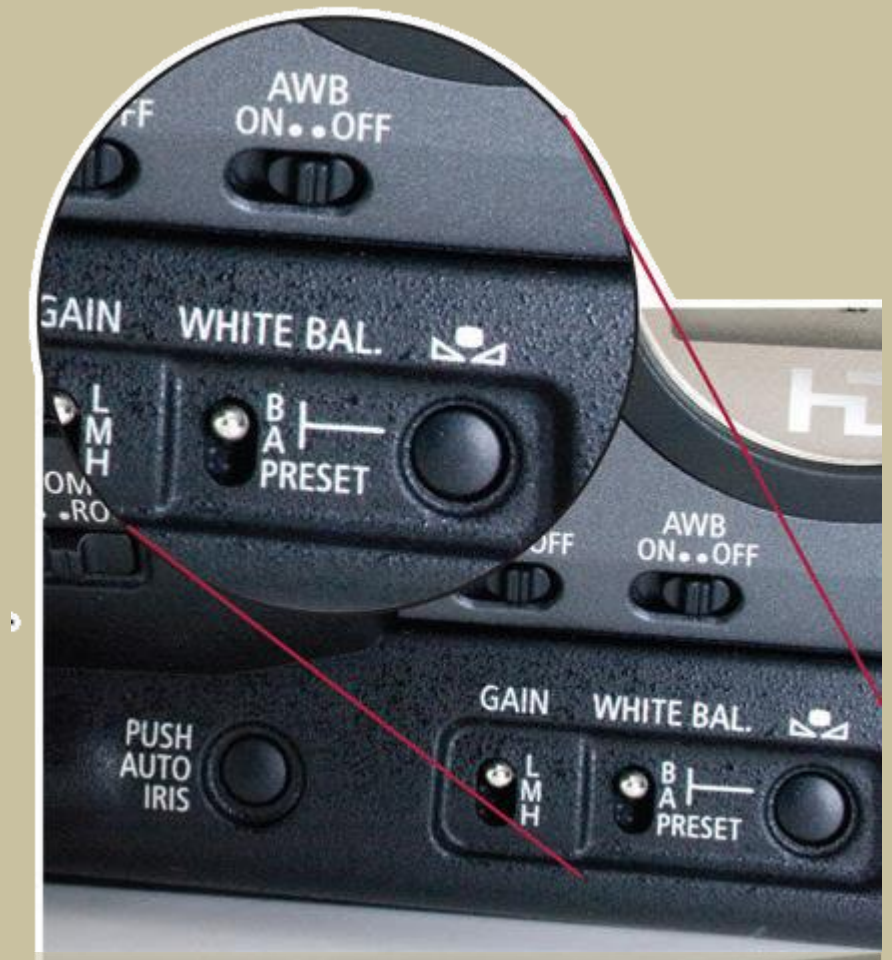
Florescent

Flash

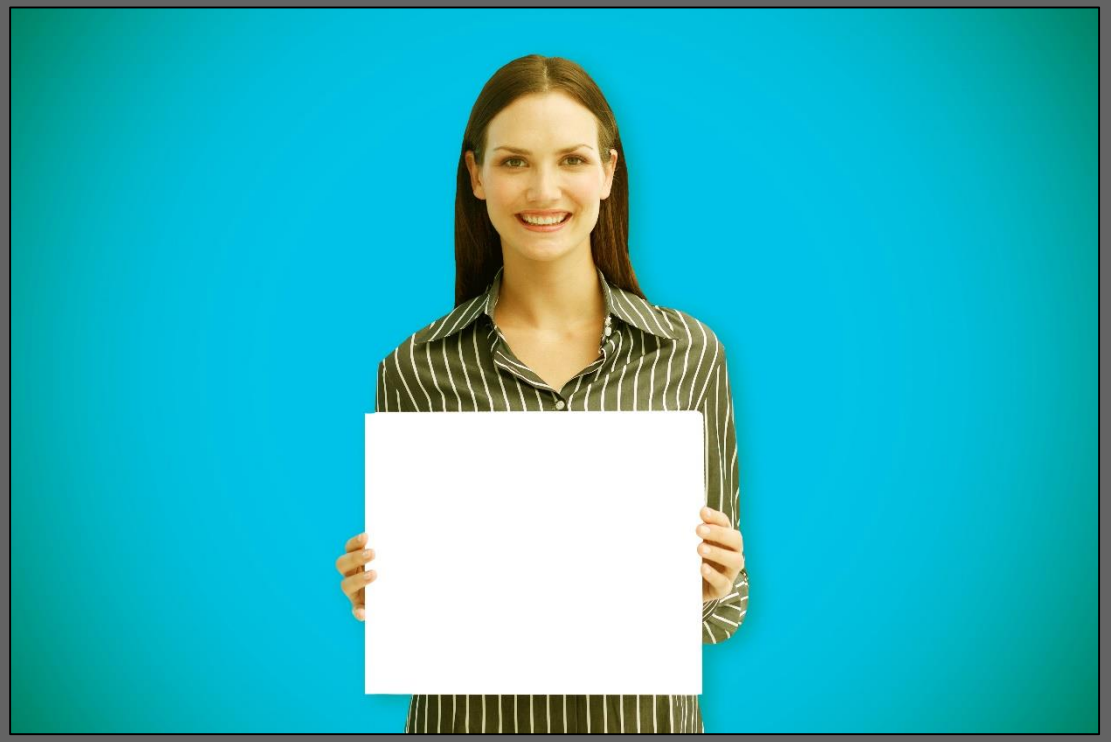
Custom

User

White Balance



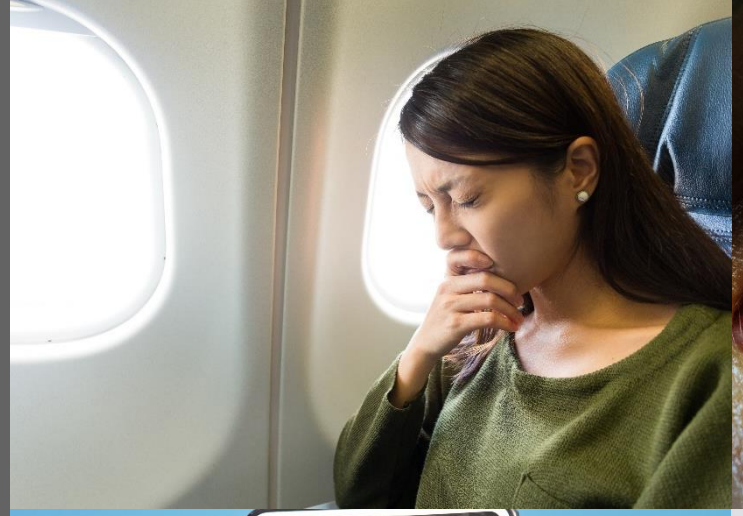
Setting WB manually

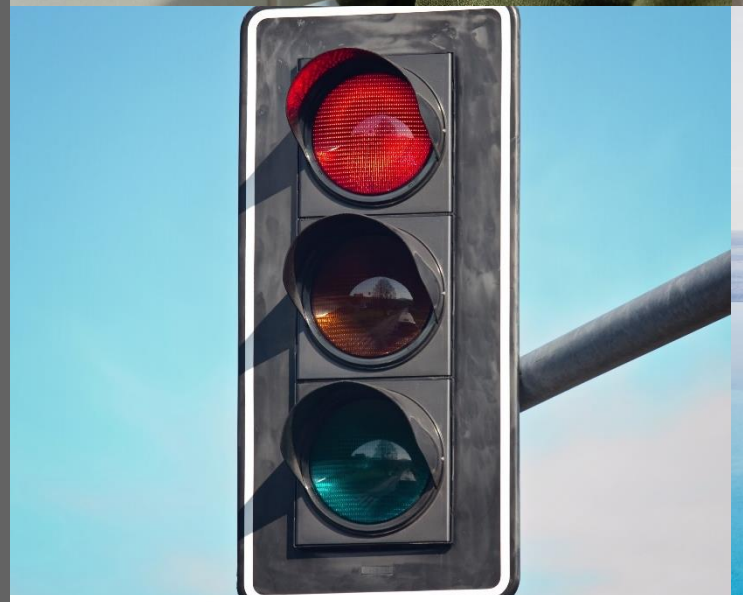


AWB
ON • • OFF
GAIN
WHITE BAL.
L
M
H
B
A
PRESET
SONY
HDV
3CCD

MENU
INFO.
START/
STOP
AF-ON
Q
SET
LOCK

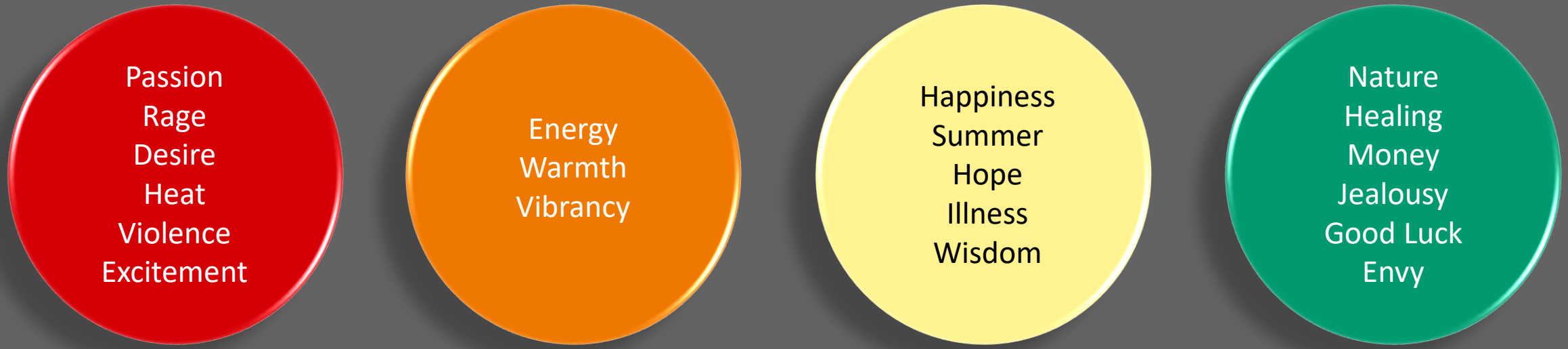
Colour Meanings





DON'T
PANIC!

Colour Meanings



Colour Meanings

How can colour be useful?

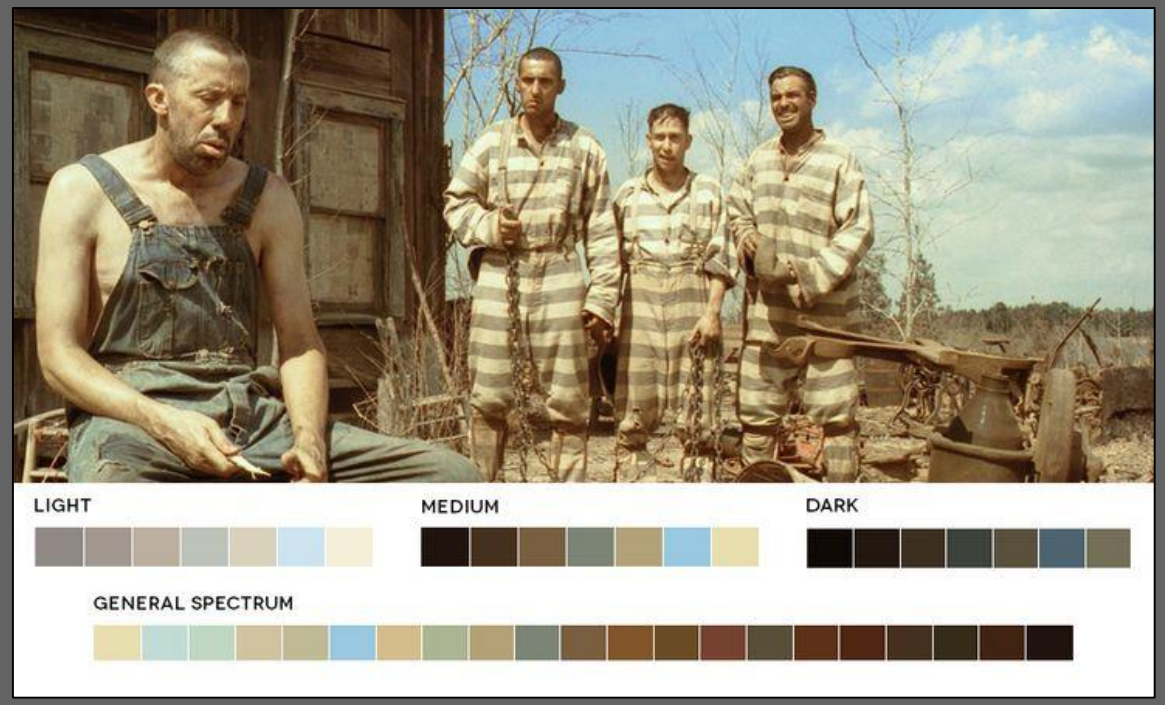
Time

Time

LIGHT
MEDIUM
DARK
GENERAL SPECTRUM

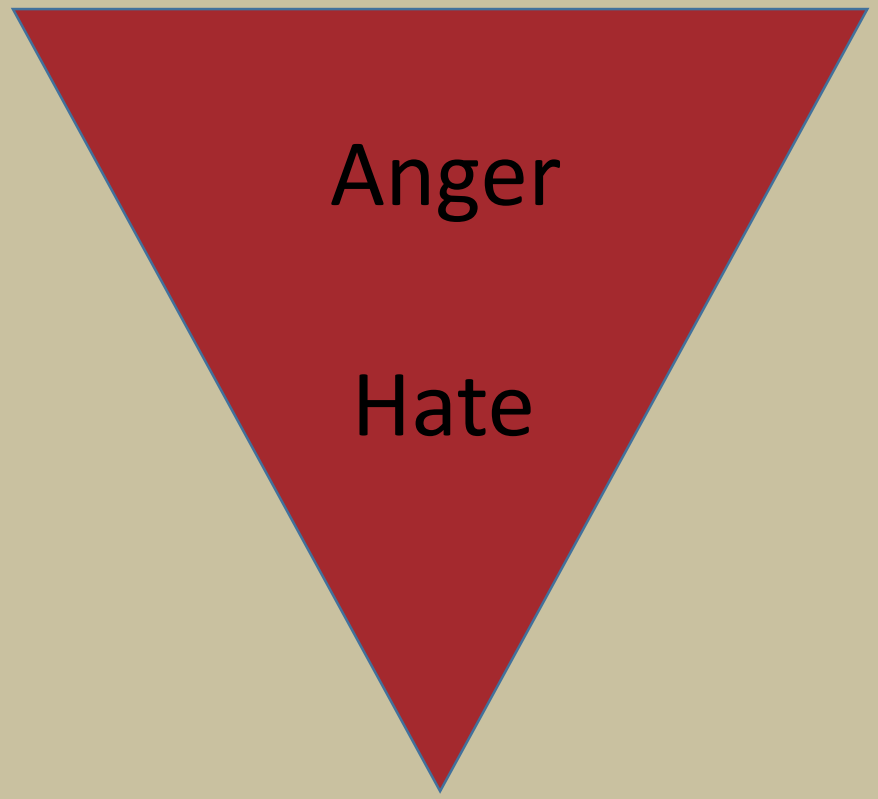
00:08:15
00:16:32
00:24:45
00:32:58
00:41:18
00:49:34
00:57:56
01:05:54
01:14:09
01:22:24
01:30:40
01:39:13

1930's Photo colours



Emotions

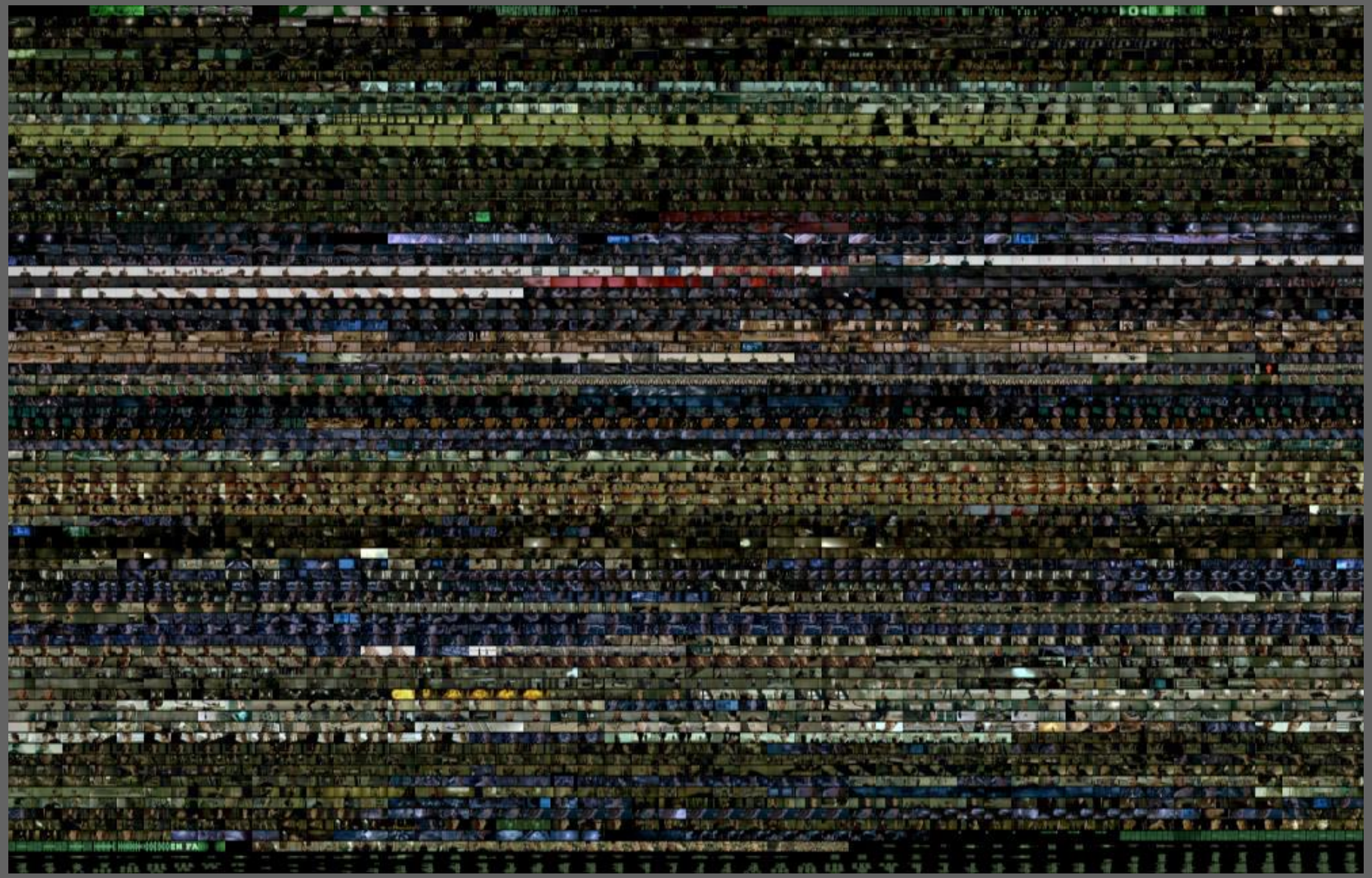
Emotion



Mi regalo es mi canción

Story telling

Story Telling



Atmosphere

Atmosphere

Atmosphere

How?

- This all comes about?
- Who makes these decisions?
- How do they decide what colours to us?

Directors & Writers

+

Production Designer

+

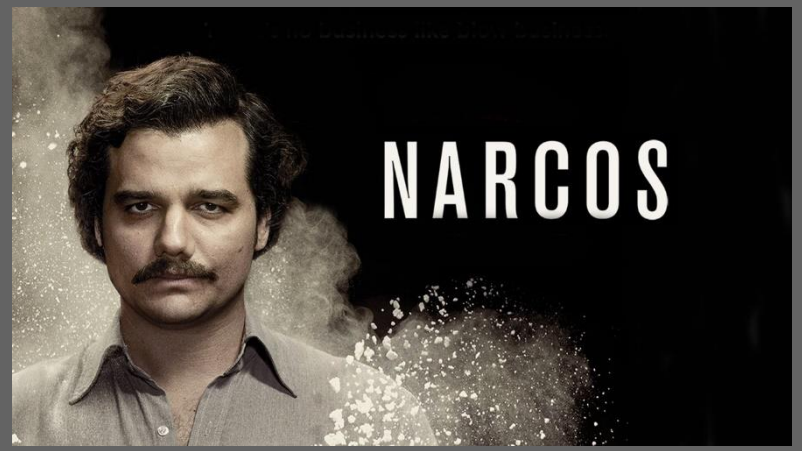
Cinematographer

+

Costume Designer

Character Colour Palettes

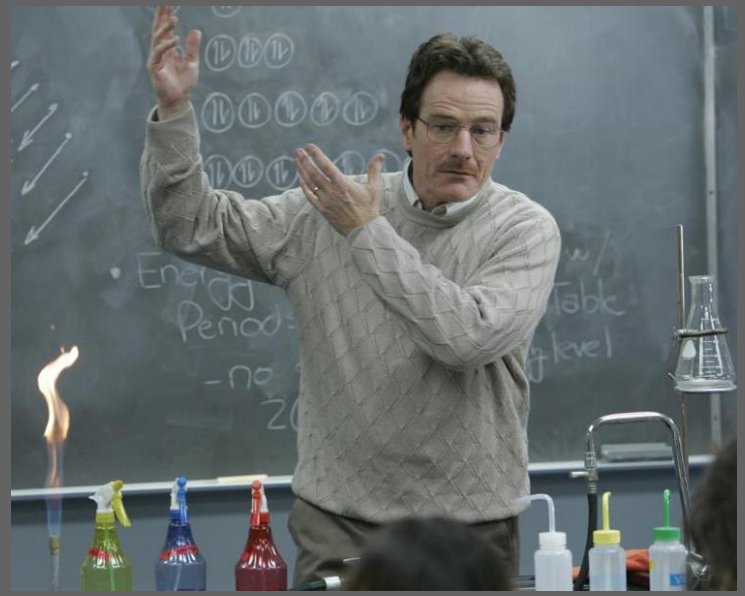
HOUSE of CARDS

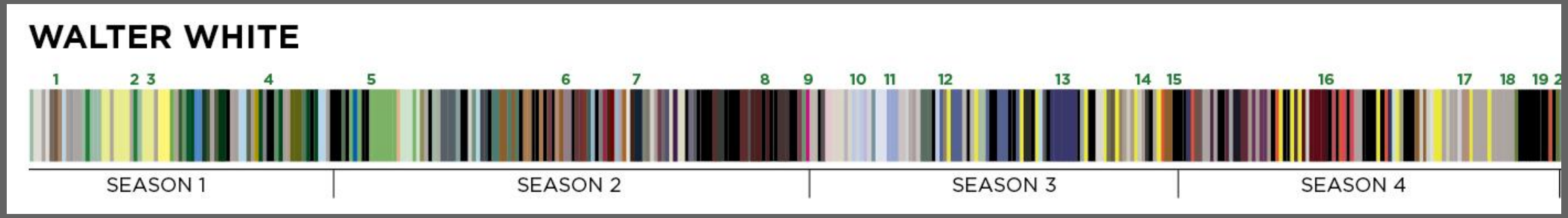

NARCOS

79.904
35
2-8-18-7
Breaking
137.33
56
2-8-18-7
Bad

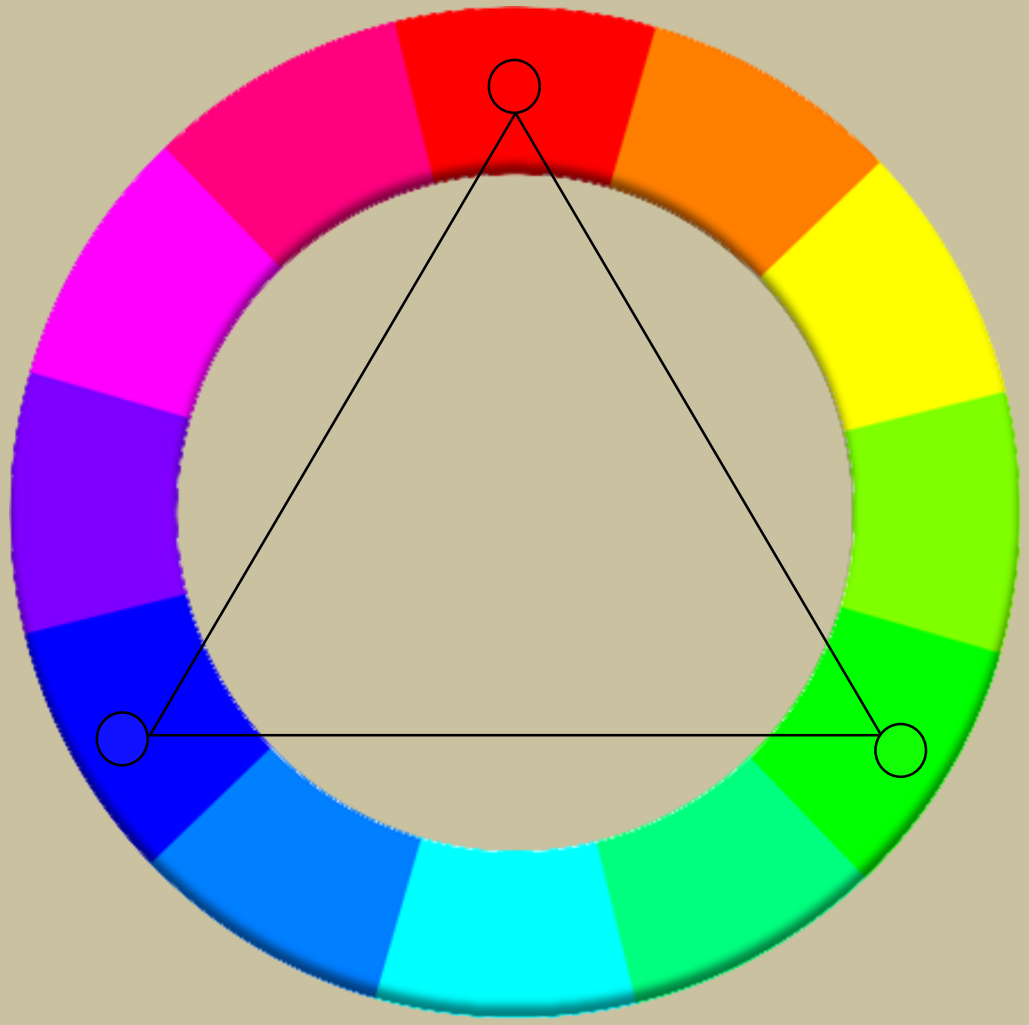
GAME OF THRONES

Character Colour Palette

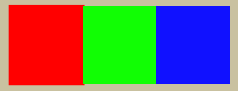




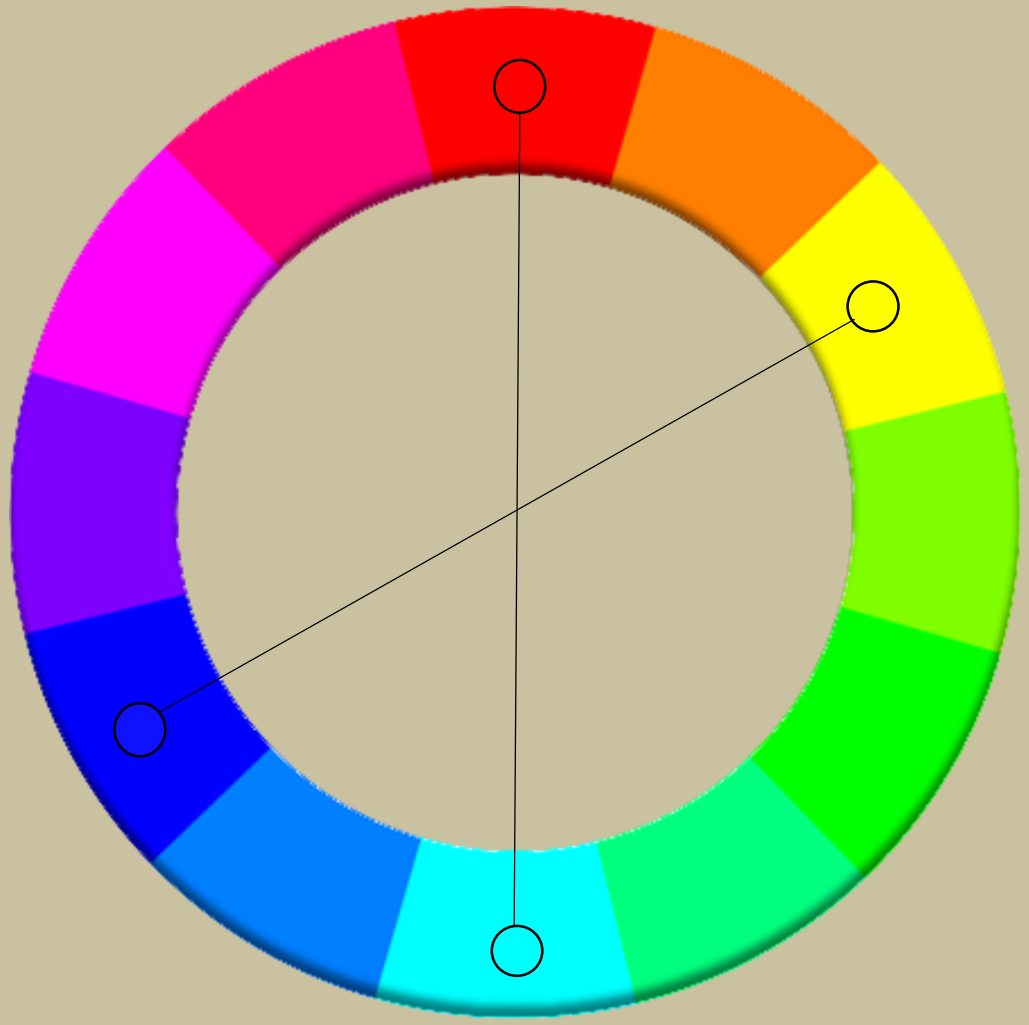
Colour Wheel



Triadic

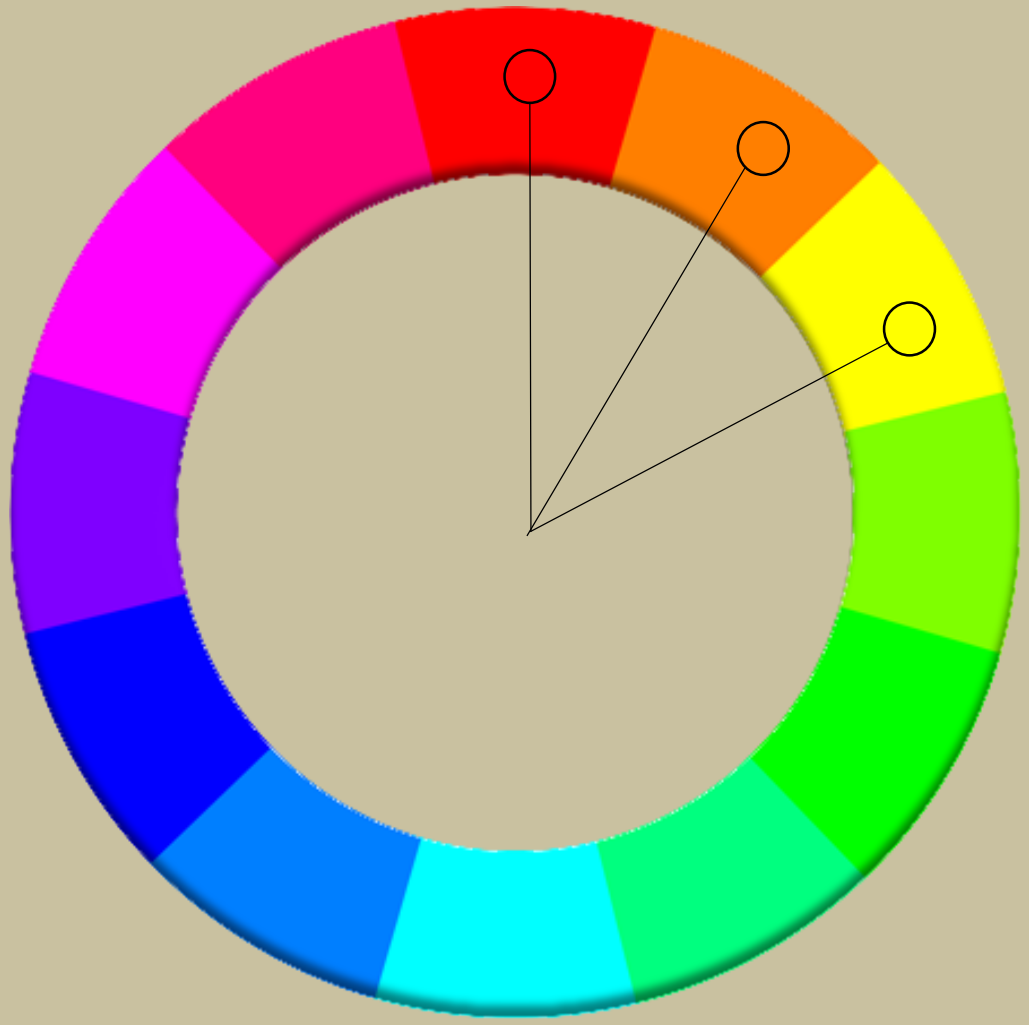


Colour Wheel



Complementary

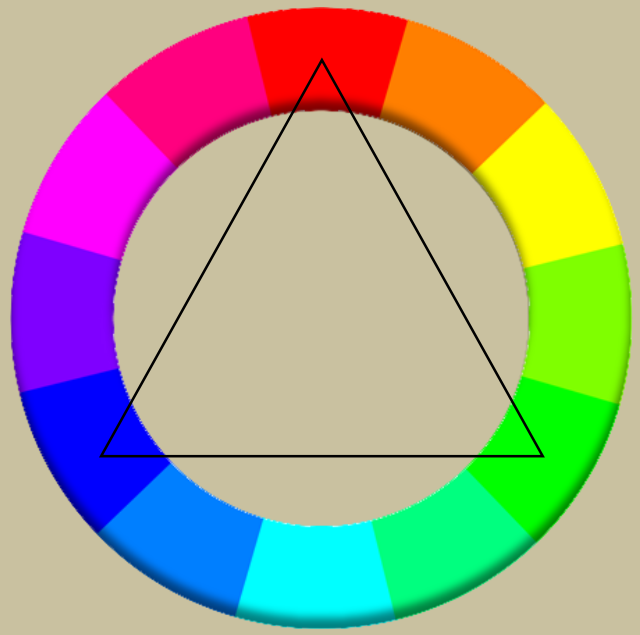
Colour Wheel

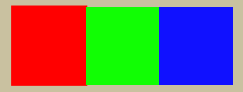


Analogous

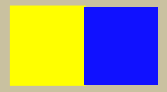
Colour Wheel

Triadic





Complementary



Analogous

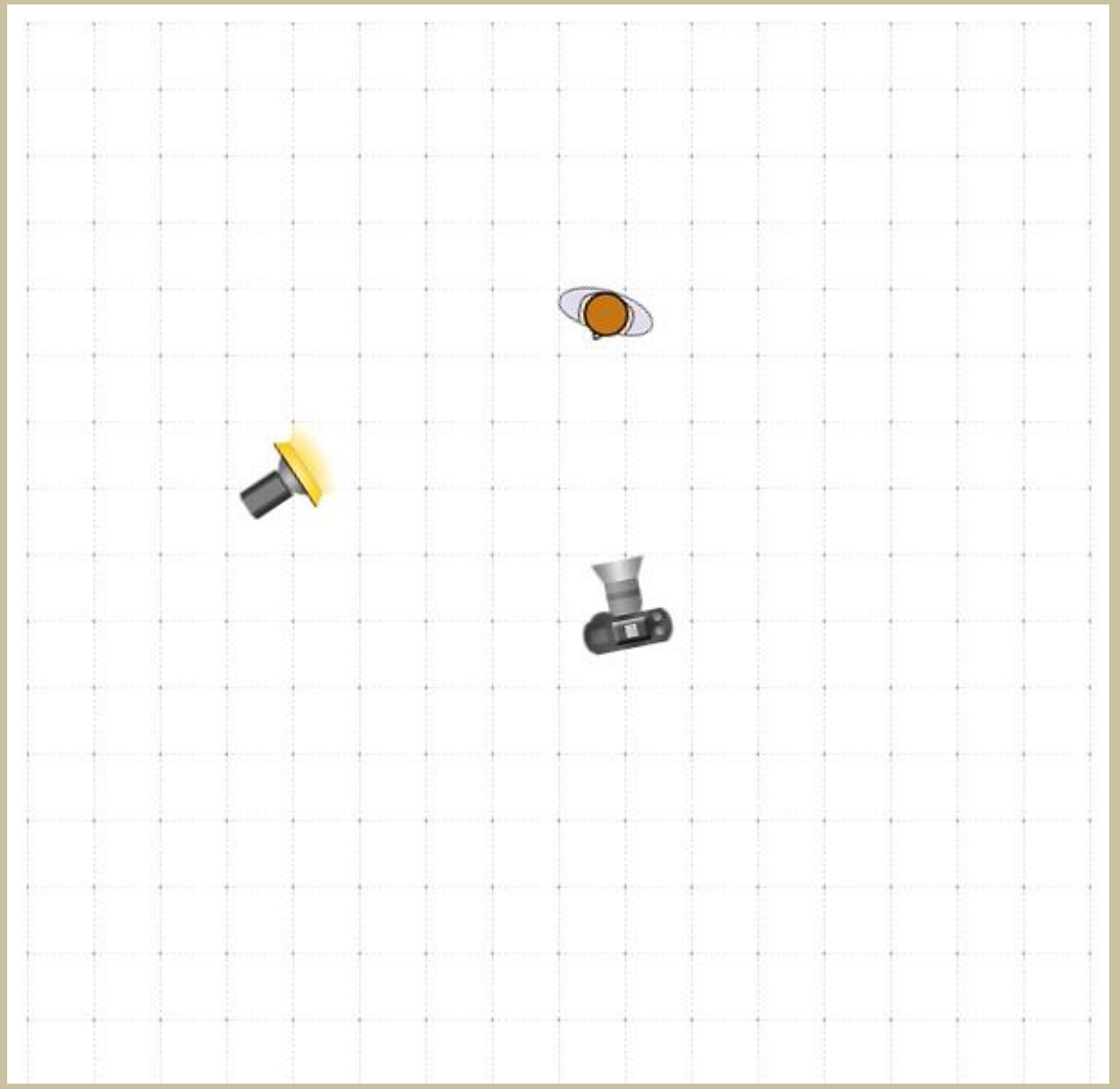
Lighting

3 Point Lighting

- The Key light
- The Fill light
- The Back light

Key Light

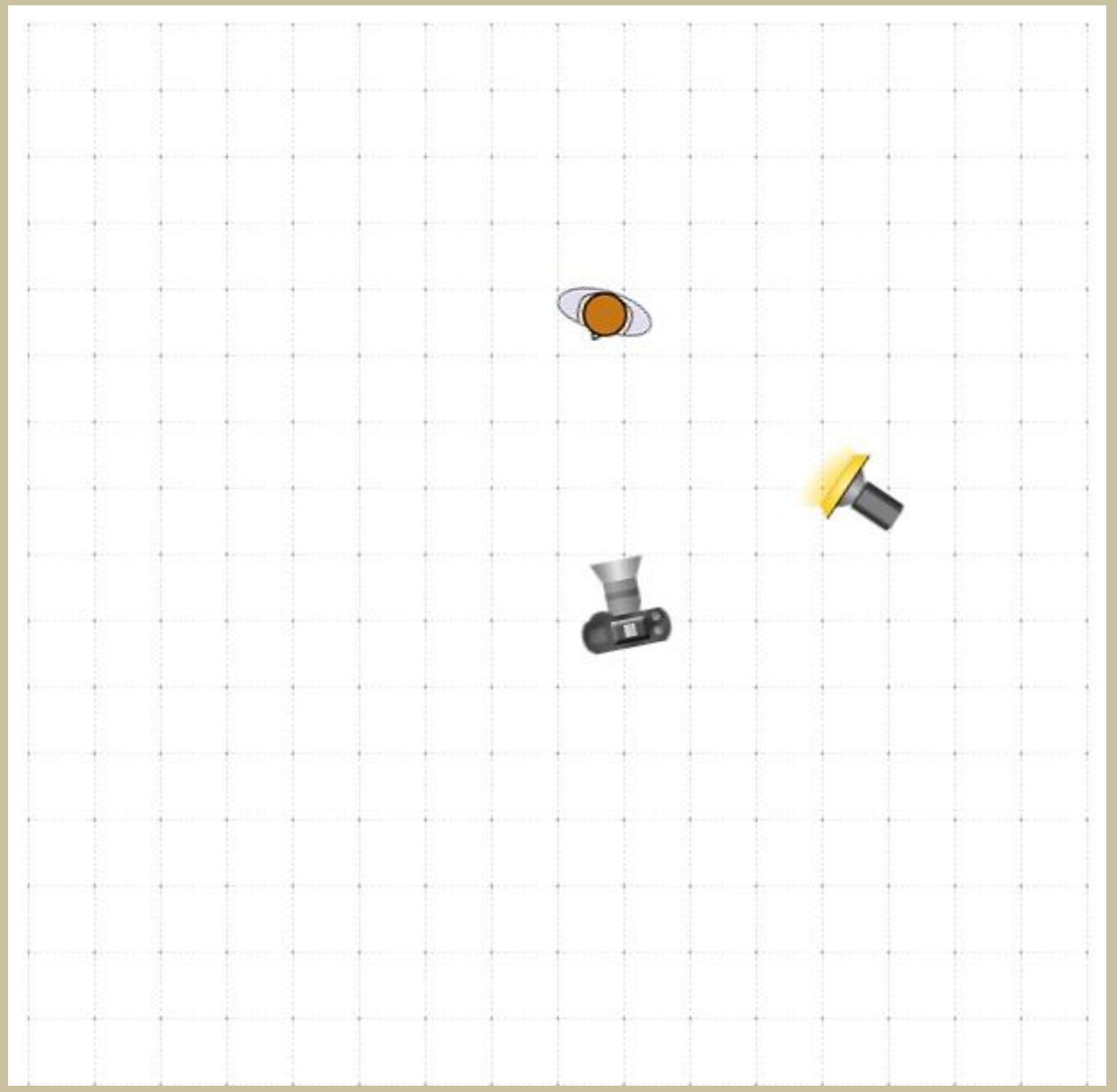
- Main light
- Strongest Light
- Position to the left of the camera



Key light

Fill Light

- Fills in Shadows



Fill Light

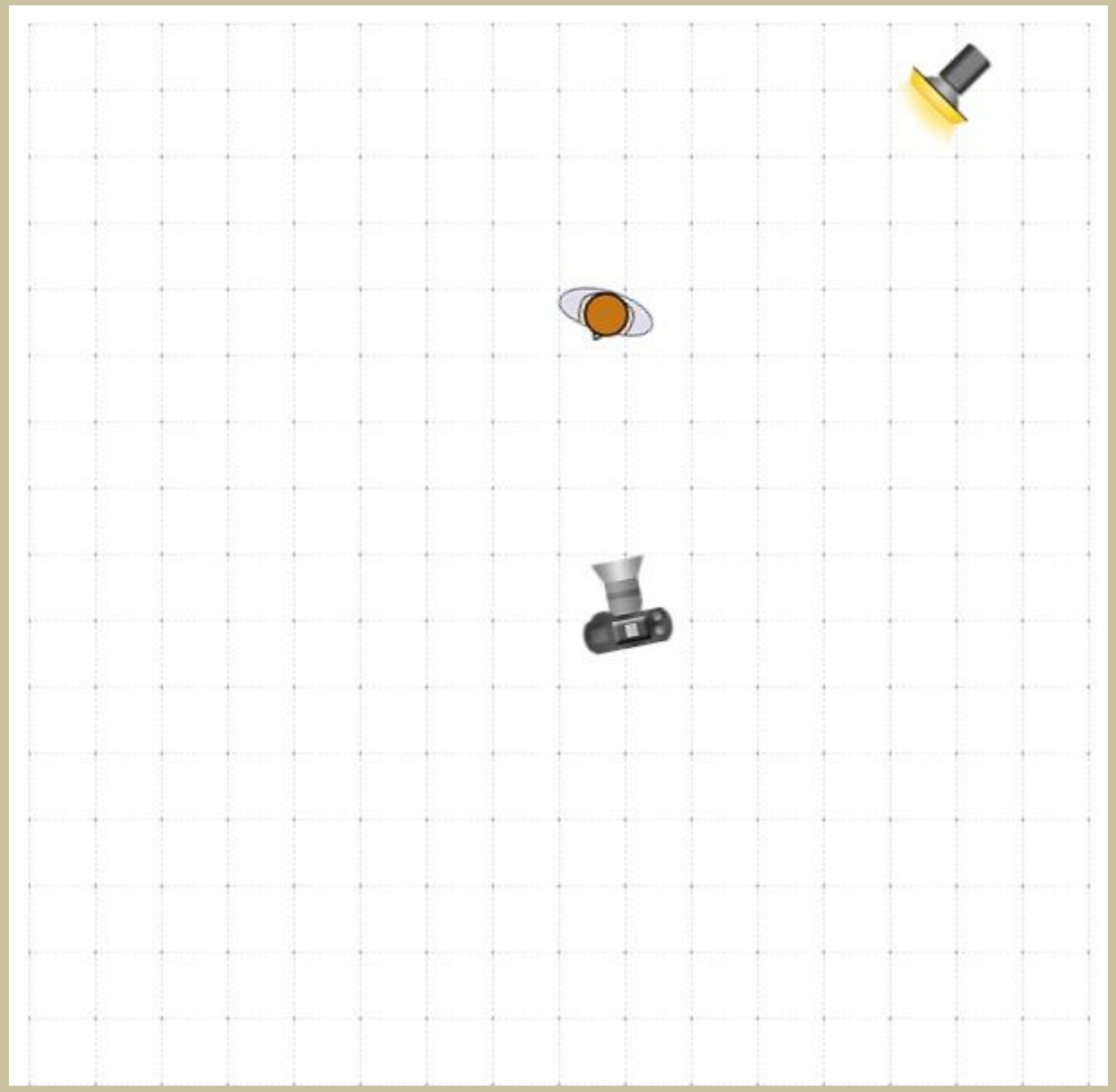
Key + Fill

Key

Fill

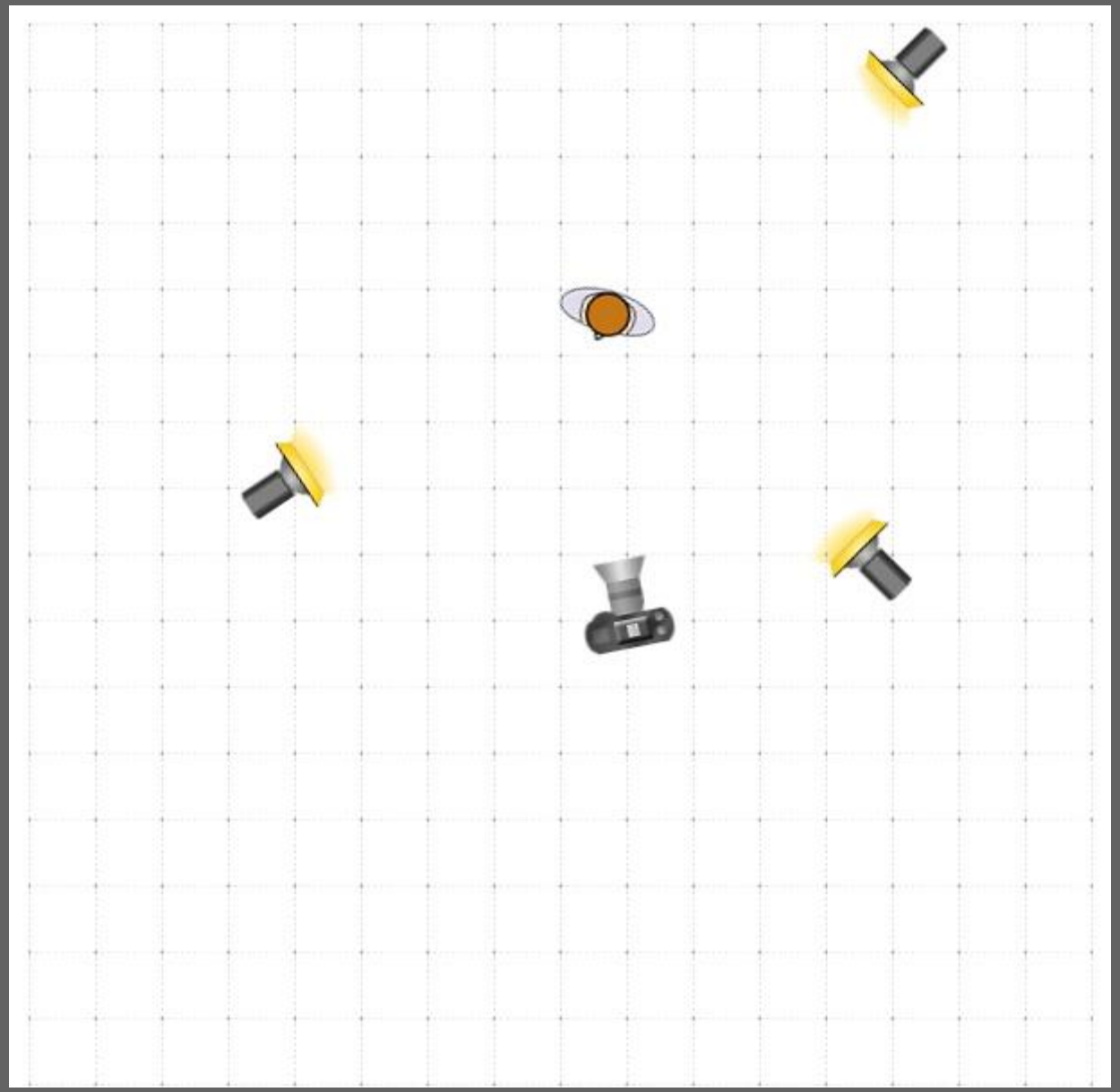
Back Light

- Illuminates Hair & Shoulders
- Separate subject from the background



Back Light

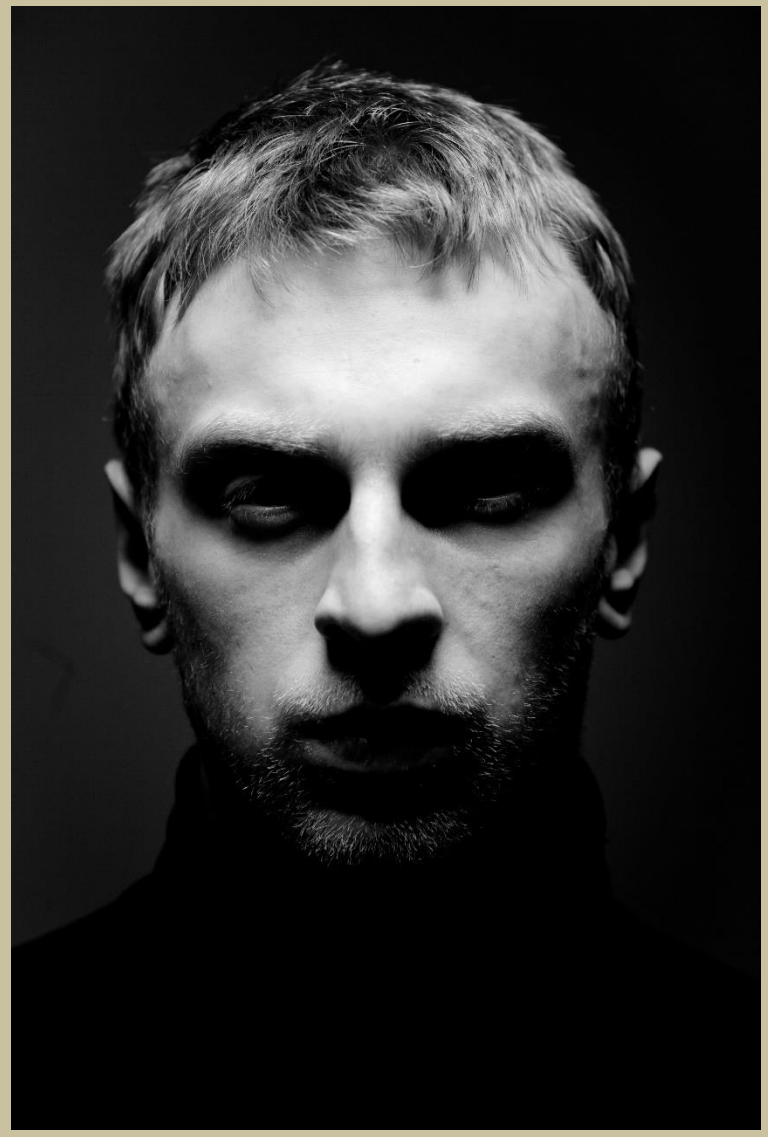
3 Point lighting



Hard light

(Single light source)

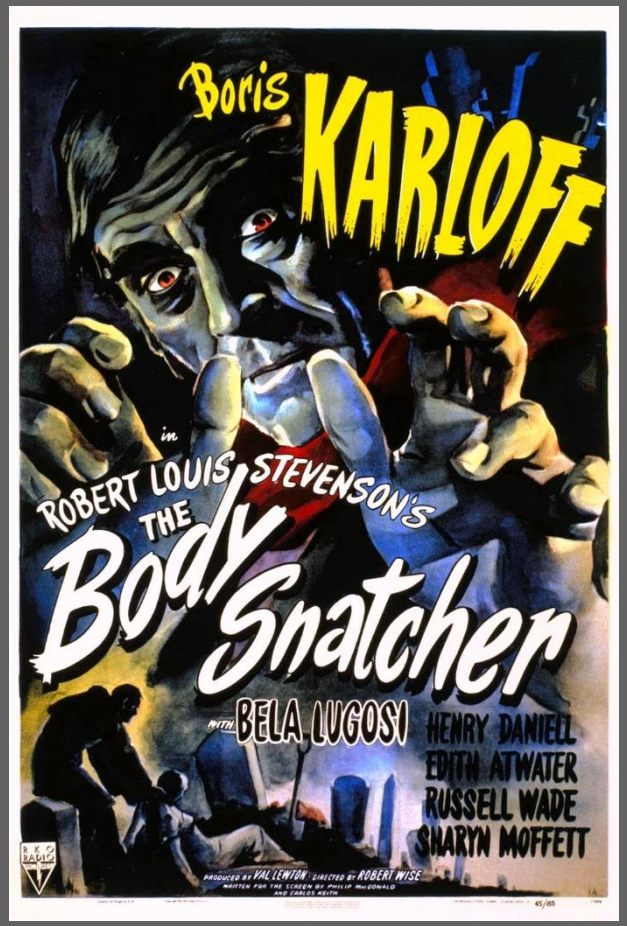
- **Mystery**
- **Drama**
- **Tension**
- **Atmosphere**
- **Emotion**



Horror

Horror

THE ORIGINAL HORROR SHOW!
FRANKENSTEIN
THE MAN WHO MADE A MONSTER
WITH COLIN CLIVE • MAE CLARKE
JOHN BOLES • BORIS KARLOFF
DWIGHT FRYE • EDWARD VAN SLOAN • FREDERIC KERR
Directed by JAMES WHALE


Boris KARLOFF
in
ROBERT LOUIS STEVENSON'S
THE
Body Snatcher
with BELA LUGOSI
HENRY DANIELL
EDITH ATWATER
RUSSELL WADE
SHARYN MOFFETT
PRODUCED BY VAL LEWTON · DIRECTED BY ROBERT WISE

THE HAUNTING

Soft Lighting

(Light coming from different directions)

- Soft Shadow on objects
- Flattering light

Gels

onsiderations

VB is the quick alternative

y to deconstruct shows you are
tching. (Light)

e incorrect WB for effect - to
eate mood and atmosphere

Summary

- Colour Temperature
- How to set White Balance
- Colour Theory
- Understanding light
- Basic lighting set ups

Further Learning

To expand upon the subjects covered in todays lesson:

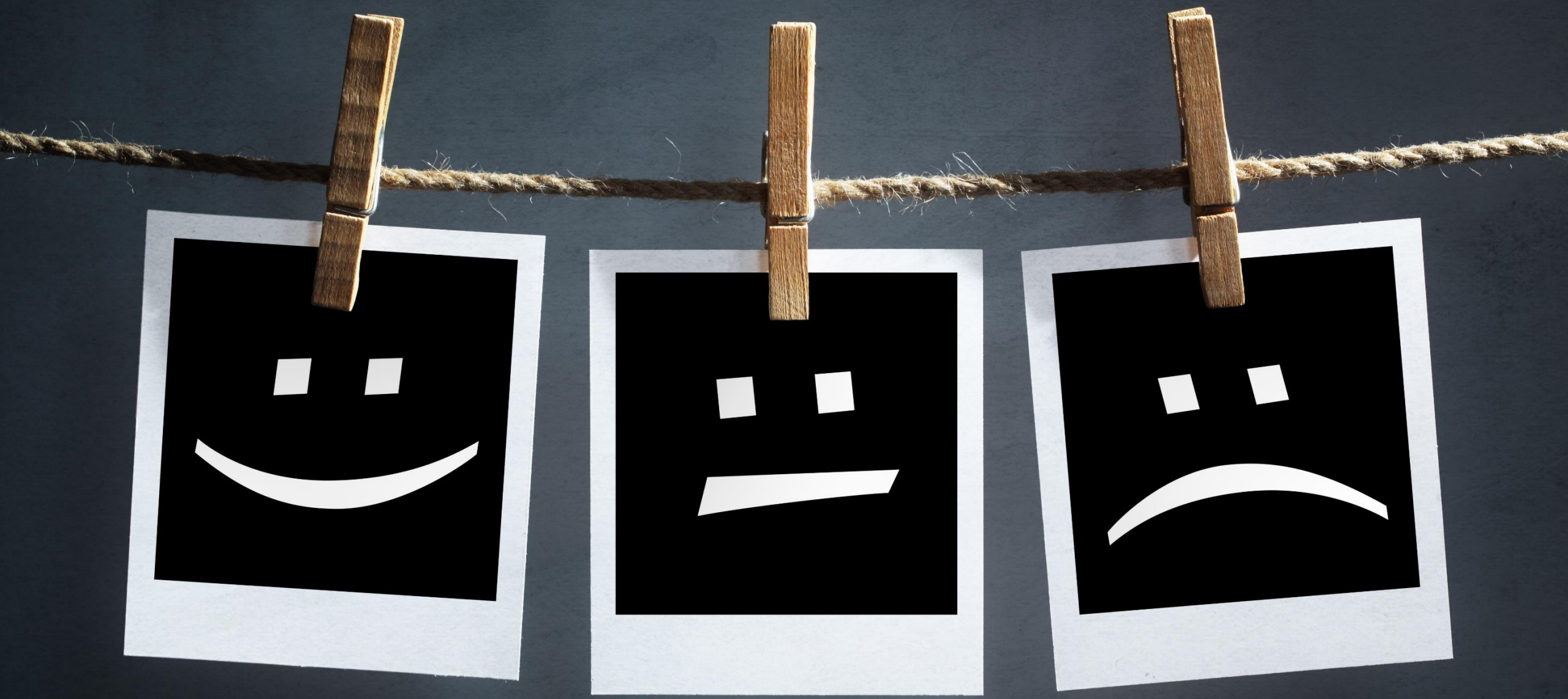
Week 1: Colour Theory (Adv Graphics)

Week 3 + 4: Studio Lighting (Adv Photgraphy)

Next Lesson

- Taking full control
- Shooting Fully manual

Rate This Lesson



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QUESTION TIME

See you back for Lesson 6

Shooting Video Manually