

COMPLETELY REAL,  
UNEDITED PHOTOS THAT  
WILL MAKE YOU LOOK  
TWICE... AND QUESTION  
YOUR SANITY

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5-507

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Please don't lay a finger on me! I didn't do anything don't you see!



AAAAAAAAAAAAAAAAAGGGGGGGGGGGHHHHHHHHH!!!!!!!!!!!!  
NOT THE FINGER!!!!!!!!!!!!!!!!!!!!

# History of Optical Illusion

- -Optical illusions date back to the 5<sup>th</sup> century B.C (The time of Epicharmus, a Greek dramatist and philosopher)
- -Epicharmus blamed people's sensory organs for the mysterious deceptions, which caused people to see more than just an ordinary picture.
- -Protagoras, another philosopher came up with the idea that it was the environment that caused people, to see distorted views.
- -With two very different views stated by that century's most acclaimed philosophers, people did not know whose explanation to believe.
- -It was up to Aristotle, an outstanding Greek philosopher, to assess both philosophies and decide on the most reasonable answer.
- -However, Aristotle was just as confused as everyone else. He thought that both Philosophers were correct but to a certain degree/ extent.
- -He believed that Protagoras's assumption was correct stating that, people shouldn't feel the need to rely on their senses to receive a correct image of reality.
- - But on the other hand, later on Aristotle added that people's five senses could easily be fooled into believing something that wasn't there. (An optical Illusion)



You should really get a tissue!!!!!!

Look Anandi! Don't  
you see! Picking my  
nose *IS* pretty nasty!



**Abraham Lincoln**  
Gutzon Borglum (1867-1941)  
1908  
Gift of Eugene Meyer, 1954





# What is an Optical Illusion?

- ◉ We do have 5 senses, sight, taste, hearing, touch & smell. But only one of these is a main sense: Sight. Information about the environment comes from our sight, making it the “most important” sense.
- ◉ -Our vision, depends on optic receptors in our eyes called, rods or cones. Then partners with our brains to process, and make reason of what we see.
- ◉ -A nerve at the back of the eye called an optic nerve connects to a central nervous system in the brain.
- ◉ -From there the brain gets electric messages or impulses from the eyes, (stimuli) these messages are interpreted as sight.
- ◉ -While this process is going on, the brain adds in two extra ingredients of its own: memory, and interpretation which is formed together to make perception.

# Types of Optical Illusions

- -Optical Illusions can be categorized as: physical illusions, physiological illusions and cognitive illusions.
- -**Physical Illusions:** these illusions are phenomenal, they happen before light enters the eye, like a mirage or rainbow.
- -**Physiological Illusions:** these illusions are caused by the effects on the eyes or brain, stimulated by brightness, tint, color & movement.
- -**Visual Cognitive Illusions:** these illusions occur when a person's perception, "knowledge" or "in-built assumptions" about something become misdirected.
- -**Literal Optical Illusions:** these illusions create images that are different from the objects that make them.
- -**Impossible Optical Illusions:** These illusions just seem completely unreal and impossible no matter how much one looks at it.
- -**Facial Optical Illusions:** These optical illusions include human faces or parts of the human face
- -**3-Demensional Optical Illusions:** Well, This one's pretty self-explanatory!



We have a handshake would you care to see? We have a handshake... 1, 2, 3!"

**"Hello, Ms. Giant!"**

They're practicing their secret handshake!



# “Who’s Responsible for this!”

Optical illusions have been found in cave paintings, so an optical illusion is not considered an invention but instead is the result of people imitating/copying the geometric forms seen in throughout nature. Arab astronomer Alhazen Dubli wrote about the optical illusions in the sky in the 10th century.

Johann Oppel conducted one of the earliest investigations on optical illusions in 1854. “The Oppel-Kundt” illusion is a geometric model in which a set distance, separated by lines, looks longer than the same distance without the lines. Although the phrase "optical illusion" suggests that it is a visual phenomena, it is actually caused by the brain's interpretation of these images.

How did she...?

SSSSSSSSSSSS0000000

HHHEEEAAVVVYYY!!!



# How Do They Work?

- ① -Approximately 75 % of human perception is electrical impulses (stimuli) from our eyes which are interpreted as sight.
- ① -However, the brain CAN sometimes be fooled or deceived by the eyes.
- ① -Visual illusions are caused by when differences occur in our perceptions or expectations and the image seen by the eye.
- ① -Illusionists sometimes create scenes that are meant to deceive the human visual system into believing or seeing something that is not present, or incorrectly perceiving something that is present.
- ① -Optical Illusions can be categorized as: physical illusions, physiological illusions and cognitive illusions.



# All Done!



Finish  
packing  
very  
quickly,  
finish  
packing  
hurry  
up  
please!

WERE NOT DONE YET! DO YOU MIND!

# 5 stars or maybe not?

By definitions an optical illusion is a image that causes the human brain to disagree with physical reality. And these images always astonish us when we realize that what we thought we saw, is completely different from what was real.

"The human brain is really tuned to learning new things," says Aude Oliva, a cognitive scientist from MIT (Massachusetts Institute of Technology). "Anything that is new and surprising is something we naturally like because it means that we may learn something from it." This means that hen the human brain learns something new it keeps it forever because we learn from it. And *that* specific piece of evidence stands out in our brains.

This connects to the optical illusions because since optical illusions were designed to trick the brain but in the easiest of ways, when people discover the trick they find interest in it and then it stands out to them so they store it in their brain forever.

So by the looks of it I'd say that people give these brain-melting images 5 stars!

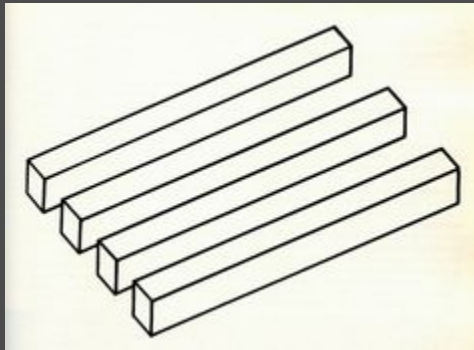
Jeez! she must've had a hard time finding shoes!!!



What the! When did my feet grow to a size 27!! Just yesterday I thought I was a size eleven!



# See if you can figure these out!



This illusion is called 3 or 4 because from the bottom it looks as if there are 4 blocks but from the top it looks as if there are only 3!



This illusion is called bottomless pit because the artist made it look as if there is a never ending hole on the paper!



This illusion is called chalk art the artist uses perception and brain tricking styles to make it seem as if their artwork is 3-D



Another chalk art illusion!

HHMM...  
I could  
use some  
shade

GOD'S  
CANVAS







*That's all Folks!*