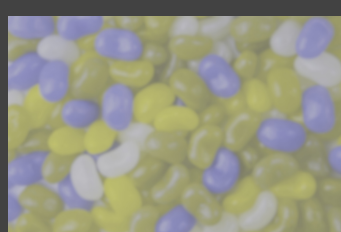


# 6 FACTS ABOUT HOW DOGS EXPERIENCE THE WORLD AROUND THEM

Out of all the senses, a dog's sense of smell is what really sets him apart. No wonder they are pros in law enforcement, search and rescue, and finding fun things to roll in! Check out these amazing facts about the way dogs perceive the world:

## 1. THE EYES DON'T HAVE IT

A dog's sense of sight is much worse than ours. They are also red-green colorblind. Here's what we see versus what a dog sees:



## 2. DO YOU HEAR WHAT I HEAR

Dogs hear at a frequency of 40 Hz to 60Hz, while we humans only hear at 12 Hz to 20 Hz. They can hear sound from as much as **four times further away than people!**

## 3. A BRAIN OPTIMIZED FOR SCENT DETECTION

The dog's brain is designed to be a smelling machine. The part of the brain dedicated to olfaction is **40 times bigger** than that of a human!

## 4. A WORLD DEFINED BY SMELLS

The dog has a special organ in the nasal cavity called the vomeronasal organ specifically to process scent. Their sense of smell is **10,000 times better than ours.** Dogs can detect the equivalent of a half teaspoon of sugar in a swimming pool!

## 5. DOGS SMELL IN 3-D

Just as we see slightly differently with each eye, a dog can smell with each separate nostril to help identify the location of a scent. In addition, dogs form a picture in their head of what they are expecting to find when they're looking for a scent!

## 6. HOUNDS RULE SUPREME

Hound dogs really do have a better sense of smell than other dog breeds, thanks to selective breeding. Working dogs such as German Shepherds come in close behind.

