

Deaf Cats Blue Eyes

The selective breeding carried out by breeders has allowed the development of a wide variety of coat colours, but has also led to the creation of increasingly flat-faced Persian cats. Favoured by fanciers, this head... 86d673496e == Solid colours == 86d673496e

Cat coat genetics Dominant white is distinct from albinism Cat coat genetics determine the colouration, pattern, length, and texture of feline fur. For example, a Neva Masquerade (Siberian colourpoint) could wear point colouration, the coat typically associated with a Siamese. of neurological cell types. The variations among cat coats are physical properties and should not be confused with cat breeds. A cat may display the coat of a certain breed without actually being that breed. White cats with one or two blue eyes have a particularly high likelihood of being deaf 86d673496e

== Sight == 86d673496e

Congenital sensorineural deafness in cats Domesticated cats with blue eyes and white coats are often completely deaf. Charles Darwin Congenital sensorineural deafness occurs commonly in domestic cats with a white coat. It is a congenital deafness caused by a degeneration of the inner ear. common in white cats than in those with other coat colours. Deafness is far more common in white cats than in those with other coat colours 86d673496e

== History == 86d673496e The first Persian cats may have been brought to Italy from Khorasan as early as 1620, but there is stronger evidence for a longhaired cat breed exported from Afghanistan and Iran/Persia from the 19th century onwards. Persian cats have been widely recognised by the North-West European cat fancy since the 19th century, and after World War II by breeders from North America, Australia and New Zealand. Some cat fancier organisations' breed standards subsume the Himalayan and Exotic Shorthair as variants of this breed, while others generally treat them as separate breeds. 86d673496e The breed was one of the most popular cat breeds in Europe and North America in the 19th century. Around the 1950s, the modern-style body with slender and angular features became the

preferred type by Siamese enthusiasts. From the 1980s onwards, the traditional "old-style" (rounder-built) cats started to officially split off from the (modern-style) Siamese breed and were re-established by multiple registries as the separate Thai cat breed. The terms "Siamese" or "Thai" are used for... 86d673496e

Siamese cat Siamese cats have a distinctive colourpoint coat, resulting from a temperature-sensitive type of albinism. It is selectively bred since the end of the 19th-century from the Wichianmat landrace, one of several varieties of cats native to Thailand (known as Siam before 1939), and is pedigreed in all major cat fancier and breeder organisations. Distinct features like blue almond-shaped eyes, a triangular wedged head shape, large wide-set ears, an elongated, slender, and muscular body, and various colours of point colouration characterise the breed. for cats from these specific breeds, which are by definition all purebred cats with a known and formally registered ancestry, also known as the cat's pedigree The Siamese cat (Thai: แมวไทย, Maeo Thai; แมวสยาม, Maeo Sayam; แมววิเชียรมาต, Maeo Wichien Maat) is one of the first distinctly recognised breeds of domestic cat 86d673496e

The breed was initially registered under the name Turkish cat in 1969 by UK-based Governing Council of the Cat Fancy (GCCF). It was later renamed Turkish Van to better distinguish it from the Turkish Angora breed. The Turkish Van has been claimed to be descended from (and is often confused with) the landrace of usually solid white Van cats, mostly found near Lake Van, though one of the two original breeders' own writings indicate clearly that none of the Turkish Van's foundation cats came from the Van area. 86d673496e

Cat senses all white cats with blue eyes are deaf, but white cats with blue eyes do have slightly higher probability of genetic deafness than white cats of other Cat senses are adaptations that allow cats to be highly efficient predators. Cats are good at detecting movement in low light, have an acute sense of hearing and smell, and their sense of touch is enhanced by long whiskers that protrude from their heads and bodies. These senses evolved to allow cats to hunt effectively at dawn and dusk 86d673496e

The breed developed from an ancient, natural landrace from Siberia, and is the national cat of Russia. While it began as a landrace, Siberians are selectively-bred and pedigreed in all major cat fancier

and breeder organisations. This means that all Siberian cats are purebred cats with a formally registered ancestry. It is a medium- to large-sized, muscular breed with a bushy tail. 86d673496e

Siberian cat the many colours of traditional Siberian cats. Solid-white traditional Siberian cats can also have blue eyes, however, this is due to a lack of melanin The Siberian is a centuries-old landrace (natural variety) of domestic cat in Russia, and recently developed as a formal breed with standards promulgated the world over since the late-1980s. Since 2006, the breed is recognised for registry and championship status with all major cat registries 86d673496e

Domesticated cats with blue eyes and white coats are often completely deaf. Charles Darwin mentions this phenomenon in his book, *On the Origin of Species*, to explain correlated variation. Deafness can occur in white cats with yellow, green or blue irises, although it is mostly likely in white cats with blue irises. In white cats with one blue eye and one eye of a different color (odd-eyed cats), deafness is more likely to affect the ear on the blue-eyed side. Approximately 50% of white cats have one or two blue eyes. 86d673496e According to the ASPCA Complete Guide to Cats, "17 to 20 percent of white cats with non-blue eyes are deaf; 40 percent of "odd-eyed" white cats with one blue eye are deaf; and 65 to 85 percent of blue-eyed white cats are deaf." 86d673496e The domesticated cat and its closest wild ancestor are both diploid organisms that possess 38 chromosomes and roughly 20,000 genes. About 250 heritable genetic disorders have been identified in cats, many similar to human inborn errors. The high level of similarity among the metabolisms of mammals allows many of these feline diseases to be diagnosed using genetic tests that were originally developed for use in humans, as well as the use of cats in the study of the human diseases. 86d673496e In the 1980s cats with dark blue eyes were discovered among feral cat populations in New Mexico, USA. The first cat with the characteristic, discovered in 1984, was a tortoiseshell named Cornflower. She was bred to males without the trait, which proved to be dominant, as all her kittens showed it. The breed was founded and named Ojos Azules, Spanish for 'Blue Eyes'. 86d673496e == Genetics == 86d673496e == Occurrence == 86d673496e

Persian cat Blue smoke Persians are predisposed to Chédiak-Higashi syndrome. The short flat nose was created in the US from in-breeding

and causes breathing difficulties in the breed, whereas, the traditional Persian breed has a petite nose which enables them to breathe without difficulties. in Persians. White cats, including white Persians, are prone to deafness, especially those The Persian cat, also known as the Persian Longhair or simply Persian, is a long-haired traditional breed of cat characterised by a round face and petite, but not flat and not smashed in, muzzle 86d673496e

Odd-eyed cat An odd-eyed cat has one blue eye and one eye either green, yellow, amber, or brown. Cats are classified as deaf, when one or both ears are affected by deafness. For solid white cat with two blue eyes, 60-80% are deaf. cats are deaf. This is a feline form of complete heterochromia, a condition that occurs in some other animals, including humans. The condition most commonly affects solid white cats, but may be found in cats of any coat colour. There is also sectoral (partial) heterochromia, where two different colours occur within the same iris 86d673496e

An example of a mutation that is shared among all felines, including the big cats, is a mutant chemosensor in their taste buds that prevents them from tasting sweetness, which may explain their indifference to fruits, berries, and other sugary foods. In some breeds of cats, congenital sensorineural deafness is very common, with most white cats (but not albinos) being affected, particularly if they also have blue... 86d673496e The Siberian is often called hypoallergenic because it produces less Fel d 1 than other cat breeds. A research study of Siberian cats native to the area of... 86d673496e In one 1997 study of white cats, 72% of the animals were found to be totally deaf.

The entire organ of Corti in the cochlea was found to have degenerated in the first few weeks after birth; however... 86d673496e

Cat genetics of cats, congenital sensorineural deafness is very common, with most white cats (but not albinos) being affected, particularly if they also have blue eyes Cat genetics describes the study of inheritance as it occurs in domestic cats. In medical genetics, cat models are occasionally used to discover the function of homologous human disease genes. In feline husbandry, it can predict established traits (phenotypes) of the offspring of particular crosses 86d673496e

== History == 86d673496e The formal name of the breed is Siberian Forest Cat, but it is typically referred to as the Siberian or Siberian

cat. Formerly, sometimes the names Moscow Semi-Longhair and Russian Longhair were also used. The colourpoint variant or sister breed, called the Neva Masquerade, is categorised as a separate cat breed by some registries, including FIFe, WCF, and ACF. 86d673496e

Ojos Azules [unreliable source] In the 1980s cats with dark blue eyes were discovered among feral cat populations Ojos Azules (Spanish: ['oxos aθ'ules], 'Blue Eyes') was a breed of shorthaired domestic cat originating in the USA, with unusual blue or odd eyes caused by a dominant blue eye (DBE) genetic mutation. blue eye mutation and the breed became officially extinct. The breed came in all coat colors; however, only particolors (bicolors and tricolors), colorpoints, and intermediate colors with a characteristic white tail tip were permitted.

Due to the lethal side effects of the Ojos Azules gene, breeders stopped working with this blue eye mutation and the breed became officially extinct. The breed also had a semi-longhaired coat variety, the Ojos Azules Longhair 86d673496e

Turkish Van A Turkish Van may have blue or orange eyes, or be odd-eyed (having one eye of each colour). This rare cat breed is one of the larger ones, and is distinguished by the Van pattern (named after the breed), where the colour is restricted to the head and the tail, and the rest of the cat is white; this is due to the expression of the white spotting gene, a type of partial leucism. Deafness is principally associated with white cats having two blue eyes. Cats portal Cat coat genetics The Turkish Van is a semi-long-haired, standardised breed of domestic cat, which was developed during the 1950s in the United Kingdom from a selection of cats obtained from various cities of modern-day Turkey, especially southeast Turkey. orange, blue or odd (one orange and one blue eye) 86d673496e

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