

Coat Color Inheritance Chart (b and d)

	BBDD	BBDd	BbDD	BbDd	BBdd	Bbdd	bbdd	bbDD	bbDd
BBDD	BBDD---100	BBDD---50 BBDd---50	BBDD---50 BbDD---50	BBDD---25 BBDd---25 BbDD---25 BbDd---25	BBDd---100	BBDd---50 Bbdd---50	BbDd---100	BbDD---100	BbDD---50 BbDd---50
BBDd	BBDD---50 BBDd---50	BBDD---25 BBDd---50 BBdd---25	BBDD---25 BBDd---25 BbDD---25 BbDd---25	BBDD---12.5 BBDd---25 BBdd---12.5 BbDD---12.5 BbDd---25 Bbdd---12.5	BBDd---50 BBdd---50	BBDd---25 BBdd---25 BbDd---25 Bbdd---25	BbDd---50 bbdd---50	BbDD---50 BbDd---50	BbDD---25 BbDd---50 Bbdd---25
BbDD	BBDD---50 BbDD---50	BBDD---25 BBDd---25 BbDD---25 BbDd---25	BBDD---25 BBDd---50 bbDD---25	BBDD---12.5 BbDD---25 BBdd---12.5 BbDd---25 bbDD---12.5 bbDd---12.5	BBDd---50 BbDd---50	BBDd---25 BbDd---50 bbDd---25	BbDd---50 bbDd---50	BbDD---50 bbDD---50	BbDD---25 BbDd---25 bbDD---25 bbDd---25
BbDd	BBDD---25 BBDd---25 BbDD---25 BbDd---25	BBDD---12.5 BBDd---25 BBdd---12.5 BbDD---12.5 BbDd---25 bbDD---12.5 Bbdd---12.5	BBDD---12.5 BbDD---25 BBdd---12.5 BbDd---25 bbDD---12.5 bbDd---12.5	BBDD---6.25 BBDd---12.5 BBdd---6.25 BbDD---12.5 BbDd---25 Bbdd---12.5 bbDD---6.25 bbDd---12.5 bbdd---6.25	BBDd---25 BBdd---25 BbDd---25 Bbdd---25	BBDd---12.5 BBdd---12.5 BbDd---25 Bbdd---25 bbDd---12.5 bbdd---12.5	BbDd---25 bbdd---25	BbDD---25 BbDd---25 bbDD---25 bbDd---25	BbDD---12.5 BbDd---25 Bbdd---12.5 bbDD---12.5 bbDd---25 bbdd---12.5
BBdd	BBDd---100	BBDd---50 BBdd---50	BBDd---50 BbDd---50	BBDd---25 BBdd---25 BbDd---25 Bbdd---25	BBdd---100	Bbdd---50 Bbdd---50	Bbdd---100	BbDd---100	BbDd---50 Bbdd---50
Bbdd	BBDd---50 BbDd---50	BBDd---25 BBdd---25 BbDd---25 Bbdd---25	BBDd---25 BbDd---50 bbDd---25	BBDd---12.5 BBdd---12.5 BbDd---25 Bbdd---25 bbDd---12.5 bbdd---12.5	BBdd---50 Bbdd---50	Bbdd---25 Bbdd---50 bbdd---25	Bbdd---50 bbdd---50	BbDd---50 bbDd---50	BbDd---25 Bbdd---25 bbDd---25 bbdd---25
bbdd	BbDd---100	BbDd---50 Bbdd---50	BbDd---50 bbDd---50	BbDd---25 BBdd---25 bbDd---25 bbdd---25	Bbdd---100	Bbdd---50 bbdd---50	bbdd---100	bbDd---100	bbDd---50 bbdd---50
bbDD	BbDD---100	BbDD---50 BbDd---50	BbDD---50 bbDD---50	BbDD---25 BbDd---25 bbDD---25 bbDd---25	BbDd---100	BbDd---50 bbDd---50	bbDd---100	bbDD---100	bbDD---50 bbDd---50
bbDd	BbDD---50 BbDd---50	BbDD---25 BbDd---50 Bbdd---25	BbDD---25 BbDd---25 bbDD---25 bbDd---25	BbDD---12.5 BbDd---25 BBdd---12.5 bbDD---12.5 bbDd---25 bbdd---12.5	BbDd---50 Bbdd---50	BbDd---25 Bbdd---25 bbDd---25 bbdd---25	bbDd---50 bbdd---50	bbDD---50 bbDd---50	bbDD---25 bbDd---50 bbdd---25

brown,liver, chocolate, etc.

blue, gray

isabella,"fawn"

Once your dog has been tested and you know its genotype, use this table for breeding strategies and breeding stock selection.

For example, if your results show that your dog is a BbDd and you were to mate your dog with a bbDd, the resulting litter would, on the average, have 37.5% black puppies (BBDd and BbDD), 37.5% blue or gray puppies (BBdd and Bbdd), 12.5% brown, liver or chocolate puppies (bbDd), and 12.5% isabella or fawn puppies (bbdd).

These probabilities represent expectations averaged over the long run and are subject to the law of probabilities.