Coat Color Phenotype and Genotype Predictor

Phenotype			Black																Yellow (black nose)								Yellow (liver nose)				Chocolate							
	Genotype		BBEE				BBEe				BbEE				BbEe				BBee				Bbee				bbee				bbEE				bbEe			
			BE	BE	BE	BE	BE	Be	BE	Be	BE	BE	bE	bE	BE	Be	bE	be	Be	Be	Be	Be	Be	Be	be	be	be	be	be	be	bE	bE	bE	bE	bE	be	bE	be
Black	BBEE	BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
	BBEe	BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
	BbEE	BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
	BbEe	BE	BBEE	BBEE	BBEE	BBEE	BBEE	BBEe	BBEE	BBEe	BBEE	BBEE	BbEE	BbEE	BBEE	BBEe	BbEE	BbEe	BBEe	BBEe	BBEe	BBEe	BBEe	BBEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
Yellow (black nose)	BBee	Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
	Bbee	Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		Be	BBEe	BBEe	BBEe	BBEe	BBEe	BBee	BBEe	BBee	BBEe	BBEe	BbEe	BbEe	BBEe	BBee	BbEe	BbEe	BBee	BBee	BBee	BBee	BBee	BBee	BbEe	BbEe	Bbee	Bbee	Bbee	Bbee	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BeEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BeEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
Yellow (liver nose)	bbee	be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
Chocolate	bbEE	bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
	bbEe	bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee
		bE	BbEE	BbEE	BbEE	BbEE	BbEE	BbEe	BbEE	BbEe	BbEE	BbEE	bbEE	bbEE	BbEE	BbEe	bbEE	bbEe	BbEe	BbEe	BbEe	BbEe	BbEe	BbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEe	bbEE	bbEE	bbEE	bbEE	bbEE	bbEe	bbEE	bbEe
		be	BbEe	BbEe	BbEe	BbEe	BbEe	Bbee	BbEe	Bbee	BbEe	BbEe	bbEe	bbEe	BbEe	Bbee	bbEe	bbee	Bbee	Bbee	Bbee	Bbee	Bbee	Bbee	bbee	bbee	bbee	bbee	bbee	bbee	bbEe	bbEe	bbEe	bbEe	bbEe	bbee	bbEe	bbee

Key: Black | Yellow | Dudley | Choc

The quoted colors on this chart are among the 3 commonly accepted solid colors for labrador retrievers. Depending upon the accepted terminology among other breeds, **chocolate** is also commonly referred to as **liver or brown**. In other breeds **yellow** can represent a variety of lighter colors including **apricots, reds, creams, and whites.**

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