Interval linear systems of equalities and inequalities are linear systems, where the real numbered entries of the vectors and matrices are replaced with closed intervals of real numbers. The sets of solutions to these systems have interesting properties, mainly that they are unions of exponentially many convex polyhedra. This makes solving many problems hard, while on the other hand, the solution sets have a form that is convenient to analyze. This thesis deals with studying the geometry of such sets. We will begin by reviewing known properties of these sets, such as boundedness and connectedness. But mostly, we will focus on the conditions for convexity and the characterization of the convex hull, which are both known for the special case of systems with invertible interval matrices. Using polyhedral theory, we will broaden these results, mostly to general systems of interval linear inequalities. We will present illustrative examples, some serving as counter-examples in cases where generalizations are not possible.