



PROJECTIONS CHART

 means that the projection preserves a spatial property

 means the projection is highly suitable for a spatial extent or orientation

 means lower, but still acceptable, suitability

Orientations are a restriction on suitable extents. For example, if "continent" is a suitable extent and "east–west" is a suitable orientation, it means the projection is good for continents with an east–west orientation—not for all continents plus all areas that lie east–west

Compromise projections give up the idea of perfectly preserving metric properties, seeking instead to strike a balance between distortions, or to simply make things "look right". Most of these types of projections distort shape in the polar regions more than at the equator

Conformal projections preserve shape.

