

error occurs. If any ring is not in the correct order (exterior ring must be counter-clockwise), an `ER_INVALID_CAST_POLYGON_RING_DIRECTION` error occurs.

- If the expression to cast is a well-formed geometry of type `MultiPolygon`, the function result is that `MultiPolygon`.
- If the expression to cast is a well-formed geometry of type `GeometryCollection` containing only polygons, the function result is a `MultiPolygon` containing those polygons. If the expression is empty or contains other geometry types, an `ER_INVALID_CAST_TO_GEOMETRY` error occurs.
- If the expression to cast is a well-formed geometry of type other than `Polygon`, `MultiLineString`, `MultiPolygon`, or `GeometryCollection`, an `ER_INVALID_CAST_TO_GEOMETRY` error occurs.

Conditions for Casts to GeometryCollection

These conditions apply when the cast result type is `GeometryCollection`:

- `GeometryCollection` and `GeomCollection` are synonyms for the same result type.
- If the expression to cast is a well-formed geometry of type `Point`, the function result is a `GeometryCollection` containing that `Point` as its sole element.
- If the expression to cast is a well-formed geometry of type `LineString`, the function result is a `GeometryCollection` containing that `LineString` as its sole element.
- If the expression to cast is a well-formed geometry of type `Polygon`, the function result is a `GeometryCollection` containing that `Polygon` as its sole element.
- If the expression to cast is a well-formed geometry of type `MultiPoint`, the function result is a `GeometryCollection` containing the points in the order they appear in the expression.
- If the expression to cast is a well-formed geometry of type `MultiLineString`, the function result is a `GeometryCollection` containing the linestrings in the order they appear in the expression.
- If the expression to cast is a well-formed geometry of type `MultiPolygon`, the function result is a `GeometryCollection` containing the elements of the `MultiPolygon` in the order they appear in the expression.
- If the expression to cast is a well-formed geometry of type `GeometryCollection`, the function result is that `GeometryCollection`.

- `TIME`

Produces a `TIME` value.

- `UNSIGNED [INTEGER]`

Produces an unsigned integer value.

- `YEAR`

Produces a `YEAR` value. Added in MySQL 8.0.22. These rules govern conversion to `YEAR`:

- For a four-digit number in the range 1901-2155 inclusive, or for a string which can be interpreted as a four-digit number in this range, return the corresponding `YEAR` value.