Given an array of integers nums, sort the array in **increasing** order based on the frequency of the values. If multiple values have the same frequency, sort them in **decreasing** order.

Return the *sorted array*.

**Example 1:**

**Input:** nums = [1,1,2,2,2,3]

**Output:** [3,1,1,2,2,2]

**Explanation:** '3' has a frequency of 1, '1' has a frequency of 2, and '2' has a frequency of 3.

**Example 2:**

**Input:** nums = [2,3,1,3,2]

**Output:** [1,3,3,2,2]

**Explanation:** '2' and '3' both have a frequency of 2, so they are sorted in decreasing order.

**Example 3:**

**Input:** nums = [-1,1,-6,4,5,-6,1,4,1]

**Output:** [5,-1,4,4,-6,-6,1,1,1]