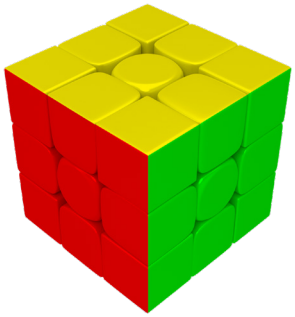
HOW TO SOLVE

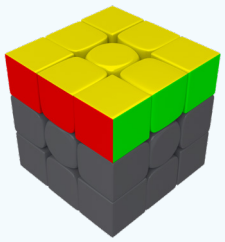
What is a NEXcube?



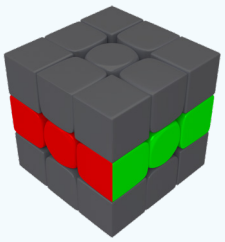
NEXcube has 6 faces. When your cube is solved, all faces will be a solid color.

You solve the NEXcube layer by layer.

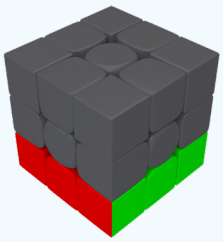
TOP LAYER

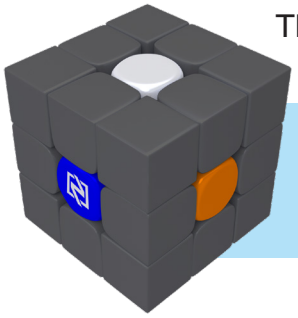


MIDDLE LAYER



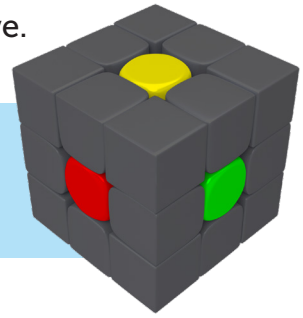
BOTTOM LAYER



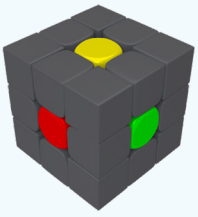


The centers of each face never move.
These are your home bases.

WHITE IS OPPOSITE **YELLOW**
BLUE IS OPPOSITE **GREEN**
ORANGE IS OPPOSITE **RED**

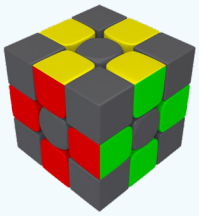


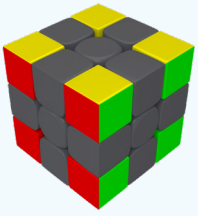
Each edge piece has one partner color. Each corner piece has two partner colors. Partner colors are the colors that are on the same individual piece of the cube. They can never separate.



CENTERS

EDGES

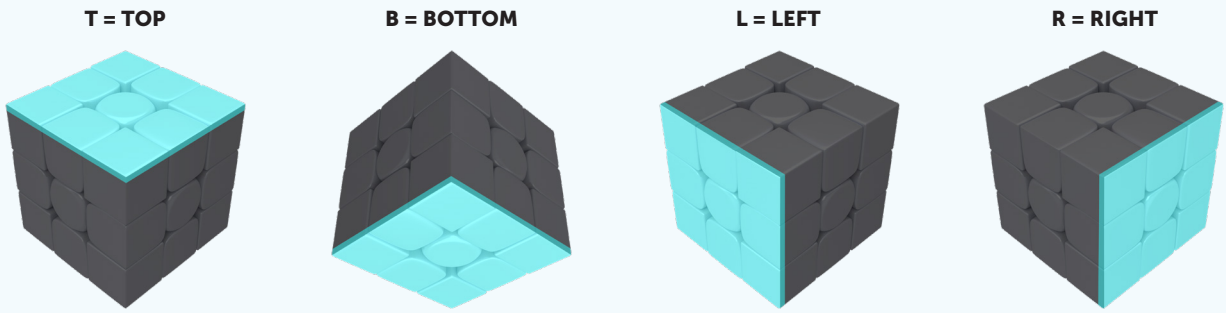




CORNERS

Key

Positions



METHOD

A method is a sequence of moves that happen in a particular order.

The two most common methods are the **Left** and **Right Methods**.

= Turn Clockwise

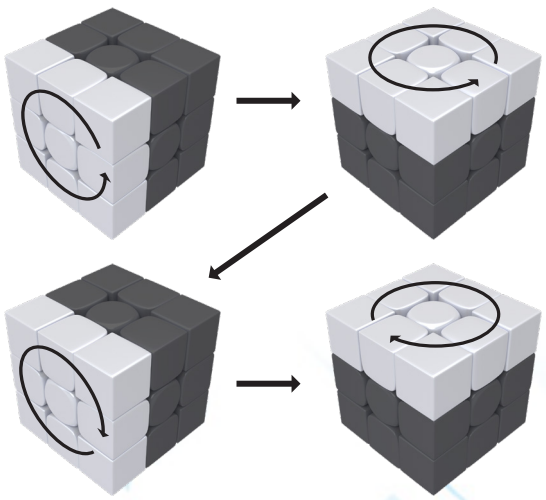
= Turn Counterclockwise

= Turn Upwards

= Turn Downwards

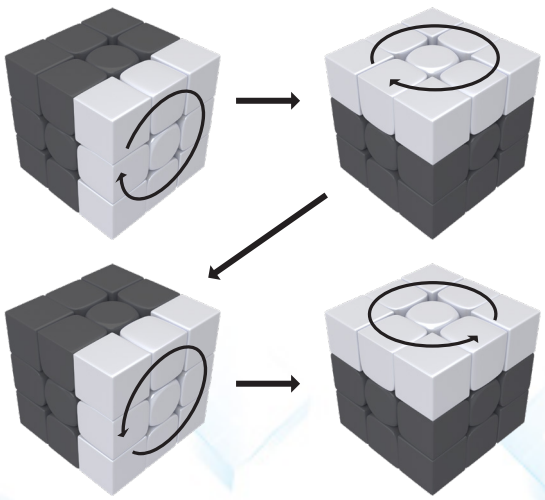
Left Method

L↑ T→ L↓ T←



Right Method

R↑ T← R↓ T→

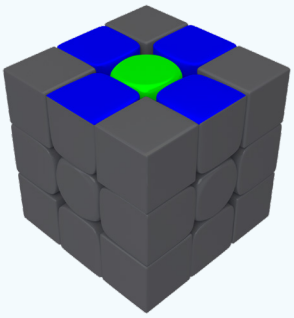


How To Solve

Before we get started, solving a NEXcube isn't exactly as easy as solving a jigsaw puzzle. As you learn each step, you will get more and more familiar with how the NEXcube pieces move around the cube.

You'll be shocked by how quickly you become familiar with your cube and how to solve each piece!

Step 1 MAKE A BLUE FLOWER

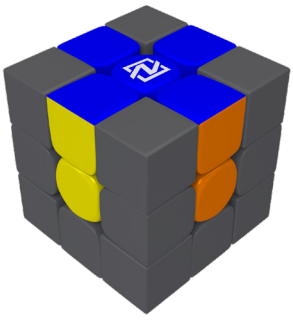


Cube Orientation: Green face on top

A) Move the 4 blue edge pieces to the top to make a blue flower with a green center.

Helpful Hint: *There's no specific way to make the blue flower. This step is trial and error until you finally get it!*

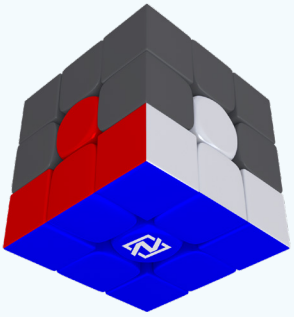
Step 2 MAKE A BLUE CROSS



Cube Orientation: Blue face on top

A) Match the blue petals to the partners' home colors and rotate that face to the blue side. Repeat until all blue middle pieces are on the blue face and their partner's colors match their homes.

Step 3 FILL IN BLUE CORNERS



Cube Orientation: Green face on top

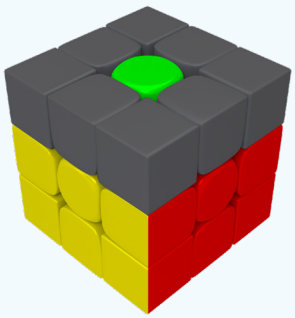
A) Find a corner piece on the top row with blue on it. Rotate the top face until the corner piece is between it's two correct sides.

B) Hold the cube so that the corner piece with blue on it is on the top layer and is located at the front right corner. Do the **Right Method** until the blue corner piece is in its home on the bottom layer.

C) Repeat steps A and B until the blue face is solved.

Step 4 SOLVE MIDDLE ROW

Cube Orientation: Green face on top



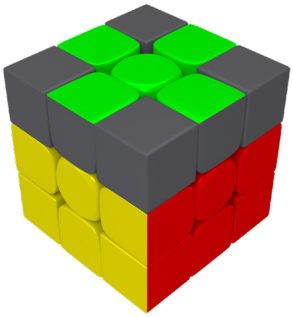
A) Find an edge square on the top row with no green on it.

B) Match it's partner color to it's home and decide if it needs to move to the left or the right of the center piece.

C) If to the right: rotate top row to the left and do the **Right Method** once.
- a) Blue is now in top right corner. Rotate entire cube to the left 90 degrees and do the **Left Method** once.

D) If to the left: rotate top row to the right and do the **Left Method** once
- a) Blue is now in top left corner. Rotate entire cube to the right 90 degrees and do the **Right Method** once.

E) Repeat until middle row is solved.



MAKE A GREEN CROSS Step 5

Cube Orientation: Green face on top

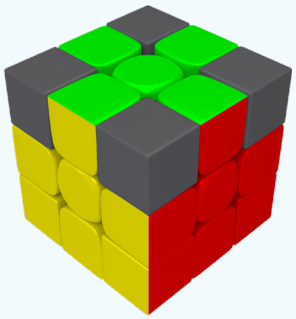
A) Are there any green squares on top (besides the center)?
- a) If in an L shape: place the L in back left.
- b) If in a horizontal line: hold horizontally.
- c) If no green: hold in any position.

B) Rotate front face 90 degrees to the right then do one **Right Method** and rotate front face 90 degrees to the left. If you started with an L shape, you will now have a horizontal line. If you started with a horizontal line, skip to step 6.

C) Repeat step B. Now we have a green cross.

Step 6 MATCH PARTNERS WITH CENTERS

Cube Orientation: Green face on top



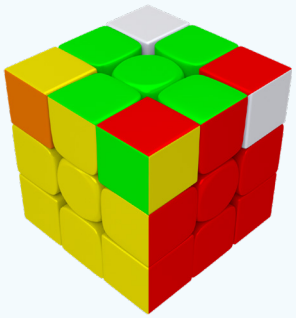
A) You'll now have 2 or 4 green edge partner colors correctly placed.
- a) If the 2 correct pairs are across from each other, hold the cube however you want.
- b) If the 2 correct pairs are next to each other, hold cube with those matched pairs in back right corner.
- c) If all 4 are paired? Skip to step 7.

B) Do the **Cross Method**:

R↑ T← R↓ T← R↑ 2xT→ R↓

Step 7 PREPARE CORNERS

Cube Orientation: Green face on top



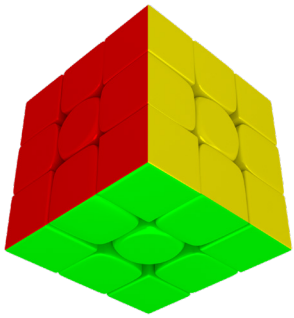
1) You'll now have 0, 1, or 4 corners in the correct spot (correct orientation doesn't matter).
   a) If 0: start from anywhere
   b) If 1: hold it in the front right corner
   c) If 4: skip to step 8

2) Do the **Corner Method**:

T ← R ↑ T → L ↑ T ← R ↓ T → L ↓

a) Repeat until all corners are in correct location (correct orientation doesn't matter).

Step 8 SOLVE THE CUBE



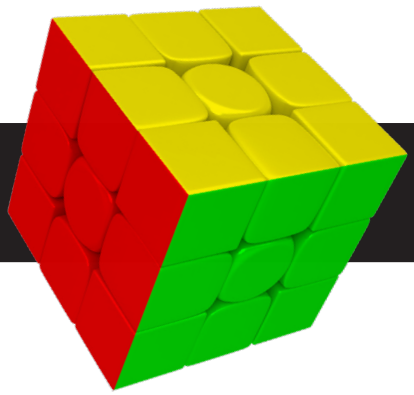
Cube Orientation: Green face on bottom

1) Pick a side to hold facing you for this entire step (yellow, red, orange, or white). Now find a corner containing green and hold it in the front right corner.

2) Do **Right Method** until that corner is solved.

Hint: Make sure you do ALL 4 steps of the Right Method every time you do it.

3) Now rotate the bottom face 90 degrees to the right and repeat until all 4 corners are in their correct home and orientation.



CONGRATULATIONS!
You've solved the NEXcube