

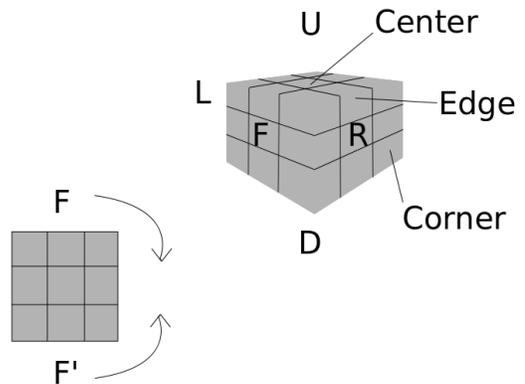
How to solve a 3x3x3 Rubiks Cube – Cheatsheet

1. Green cross (green color on top)

- bring green each piece to bottom side
- turn bottom until the other color of the edge piece is underneath the right side color
- turn side twice

2. Green corners (green color on top)

- bring a green cornerpiece underneath the right corner or at the right position (wrong direction)
- **R', D', R, D** until corner fits
- repeat with all green corners. The sides should form little T's



3. Second layer (green color on bottom, blue on top)

- if edge pieces in top layer only contain blue:
 - turn cube until edge piece in question is on front middle right and perform algorithm like “belongs right side”
- if edge piece in top layer does not contain blue:
 - turn top layer so the edge piece color fits the side color
 - top color belongs to left side: **U', L', U, L, U, F, U', F'**
 - top color belongs to right side: **U, R, U', R', U', F', U, F**

4. Blue cross (blue on top)

- top shows a little L form (middle, and two edges are blue): put L in back-left of top
- top shows an I form (blue line): put I horizontal
- top shows no shape at all: do nothing
- then perform: **F, R, U, R', U', F'** until blue cross on top

5. Arrange blue cross (blue on top)

- if two edges of top layer correspond and are:
 - beside each other: put one in back and one right
 - opposite sides: put one in front and one in back
- perform **R, U, R', U, R, 2U, R'** (+U)

6. Prepare finish (corner place, blue top)

- if one corner is in the correct place (dont mind the orientation, just the color): put it in top right front
- perform: **U, R, U', L', U, R', U', L**
- repeat with correct corners on top right front until all corners are in place

7. Finish the cube (corner orientation, blue top)

- **REMEMBER THE FRONT COLOR THAT YOU START THIS STEP WITH**
- with the unfinished corner in the top right front: **R', D', R, D** until corner is in correct orientation
- ONLY TURN TOP, to bring next corner to top right front, keep your front color the same. Repeat above algorithm until all corners are oriented correctly.
- turn top und bottom layer to fit the middle layer and you are DONE.

Based on Dan Browns awesome instructions found here: <http://www.youtube.com/watch?v=tOgN7d1D-3s>

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