

# How to Solve a Rubik's Cube!

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## Super Easy - Step by Step

- \* Just 8 steps!
- \* Big pictures to help you
- \* Only 6 moves to learn
- \* You can do it!

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# Learn the 6 Moves

Every move = turn one side.  
Hold the cube and turn just that side!

**R**

**Right**

Turn the right side UP

R' = the other way!

**L**

**Left**

Turn the left side UP

L' = the other way!

**U**

**Up**

Turn the top to the LEFT

U' = the other way!

**F**

**Front**

Turn the front side LEFT

F' = the other way!

**D**

**Down**

Turn the bottom to the RIGHT

D' = the other way!

**B**

**Back**

Turn the back side RIGHT

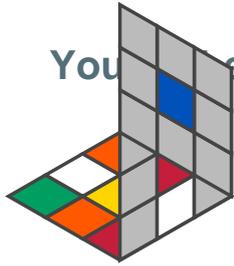
B' = the other way!

## Remember:

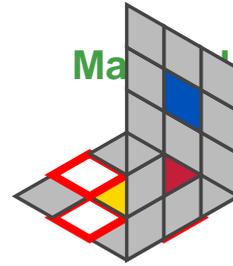
Just the letter = turn one way  
Letter + ' mark = turn the other way

# 1 Make a Daisy

Hold your cube with the YELLOW side on top.

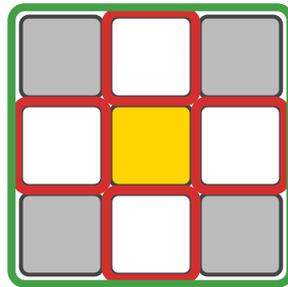


Your cube looks messy:



Make it look like this:

This is the "Daisy" (looking at the top):



Yellow in the middle, 4 white pieces around it!

## How to do it:

- 1 Find a white edge piece (not a corner!)
- 2 Turn sides to move it to the top
- 3 Do this for all 4 white edges

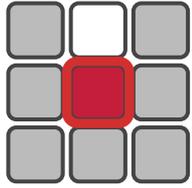
**Hint:** Don't worry about the other colors yet. Just get 4 white pieces around the yellow!

## 2 White Cross

Now flip each white piece to the bottom.

**But first: match the colors!**

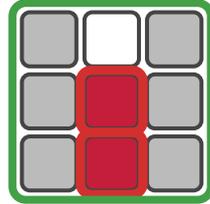
Look at this color



Red is under white



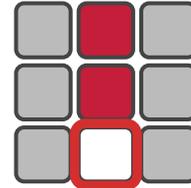
Turn U until it matches



Red matches red!



Turn that side 2x

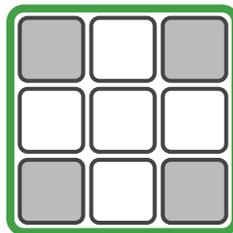


F2

**Do this for all 4 white pieces:**

- 1 Look at the color under the white piece
- 2 Turn U to match that color to the center below
- 3 Turn that whole side 2 times (like F2)
- 4 The white piece goes to the bottom!
- 5 Do this for all 4 white pieces

**Now the bottom looks like this:**



**White cross on the bottom!**

## 3 White Corners

Flip the cube! White goes on top.  
Now fill in the 4 corner pieces.

Do this move over and over:

**R U R' U'**

Say it: Right, Up, Right back, Up back!

### How to do it:

- 1 Find a white corner piece on the bottom layer
- 2 Move it under the spot where it goes
- 3 Hold that corner on your front-right side
- 4 Do R U R' U' again and again
- 5 Stop when the white is on top!
- 6 Do all 4 corners the same way



**Hint:** If a corner is on top but wrong, do R U R' U' to pop it out. Then try again!

## 4 Middle Row

Flip the cube! Yellow on top, white on bottom.

Now fix the middle row.

Piece goes RIGHT:

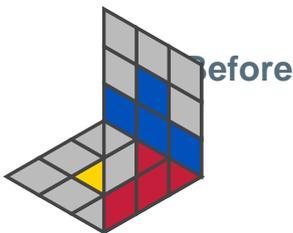
$U R U' R' U' F' U F$

Piece goes LEFT:

$U' L' U L U F U' F'$

How to do it:

- 1 Find a top edge that has NO yellow on it
- 2 Turn U so its front color matches the center
- 3 Look at the top color of that piece:  
**Matches right side? Use the RIGHT move!**  
**Matches left side? Use the LEFT move!**
- 4 Do all 4 middle edges



Two layers done! Almost there!

# 5 Yellow Cross

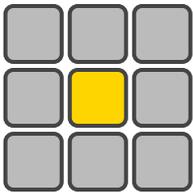
Make a yellow cross on the top.

Use this move:

**F R U R' U' F'**

What does your top look like?

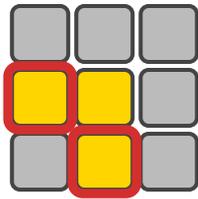
Just a dot?



Do the move 3 times



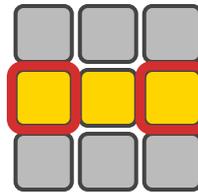
An L shape?



Do the move 2 times  
(L in back-left)



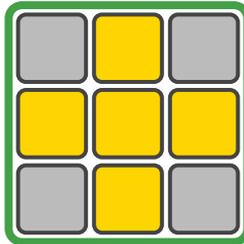
A line?



Do the move 1 time  
(Line goes left-right)



You get a yellow cross!



**Hint:** For the L: hold it in the back-left corner. For the line: hold it left to right.

## 6 Fix Yellow Edges

The yellow cross is done.  
But the side colors may not match yet!

Use this move:

**R U R' U R U<sup>2</sup> R'**

**How to do it:**

- 1 Turn U and see if any side colors match
- 2 If all 4 match - skip to step 7!
- 3 If 2 match - put a matching one at the BACK
- 4 Do the move. Then turn U and check again.
- 5 If 0 match - just do the move once. Then check.



**Yellow cross + all side colors match!**

## 7 Move Corners

Get each corner in the right spot.  
(Yellow might still face the wrong way - that's OK!)

Use this move:

**U R U' L' U R' U' L**

### How to do it:

- 1 Look at each corner. Does it have the right 3 colors?
- 2 If all 4 corners are right - skip to step 8!
- 3 If 1 corner is right - hold it at front-right
- 4 Do the move. Check again.
- 5 If 0 are right - do the move once, then look again

### What does 'right spot' mean?

A corner is in the right spot if its 3 colors  
match the 3 centers around it.  
(The yellow doesn't need to face up yet!)

**All corners are in the right spot!**

## 8 Last Step!

**You are SO close!**

Twist each corner so yellow faces up.

Do this move over and over:

**R' D' R D**

Say it: Right back, Down back, Right, Down!

**How to do it:**

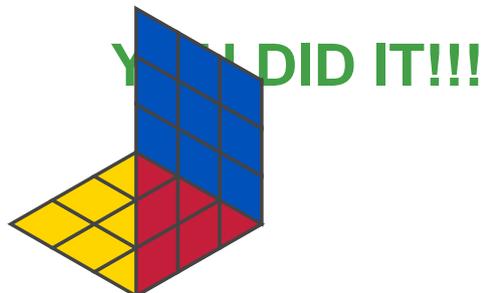
- 1 Hold yellow on top
- 2 Put a wrong corner at front-right-top
- 3 Do R' D' R D until yellow faces up
- 4 ONLY turn U to get the next corner

**VERY IMPORTANT!**

**Do NOT turn the whole cube!**

It will look broken. That is OK! Keep going!

- 5 When ALL corners have yellow up...



# Cheat Sheet - All Moves!

1

**Daisy**

(no move - just find white edges)

2

**White Cross**

F2 (turn the front side 2 times)

3

**White Corners**

R U R' U'

4

**Middle Right**

U R U' R' U' F' U F

4

**Middle Left**

U' L' U L U F U' F'

5

**Yellow Cross**

F R U R' U' F'

6

**Fix Edges**

R U R' U R U2 R'

7

**Move Corners**

U R U' L' U R' U' L

8

**Twist Corners**

R' D' R D (keep going!)

**Remember the Letters:**

R = Right   L = Left   U = Up  
D = Down   F = Front   ' = other way