

Ricky Tims' Harmonic Conversion workshop – Jan 5 & Jan 19 – class will be held over 2 meetings. The technique consists of only straight cuts and straight $\frac{1}{4}$ " seams so all skill levels are OK. Two sessions are needed to avoid moving the arranged cut pieces and actual sewing time. This will be your first attempt and as a learning experience you may want to hold off using that special fabric you have been saving for years. **Prior to the meeting cut 4 squares all the same size. Pick a size ranging between 14" – 16" inches.** These squares will be laid out as a 4-patch then converged/merged into each other both horizontally and vertically. You could use 4 fat quarters, with some leftovers for borders. Or raid your stash to cut out your squares, leaving more options later for wide borders. (Borders not part of class.) Ideas for fabric choices: include some fabrics that 'read as solid'; one or two large prints plus 2 more fabrics; 4 different commercial prints; 2 fabrics cut 2 squares each; multicolor (batik, mottled, etc.) with enough variation to use same fabric for all/some squares. Remember, this is your test sample. For ideas search Ricky Tims Convergence online and you will see many examples. The remainder of the supply list is:

- Sewing machine and thread, thread snips and any other sewing tools you normally use
- Large cutting mat (lug your largest one)
- Large cutting ruler 24" would be best, you need to cut across the entire piece)
- Tailor's chalk or marking pen (will bring my chalk, only used twice in project)

All additional sewing and cutting of your 4 squares will be done in class. Call if any questions. Pat Clark, 845-297-3160.

Lay your 4 squares out as a 4-patch, imagining that they will ‘float’ into each other once converged. Mark a line across the top of the two top squares within a ¼” from edge to keep your orientation throughout the process.

Take the bottom left square and fold/flip it upwards on top of the top left square. Put a pin in the bottom to indicate a seam. The fabrics will be right sides together.

Take the bottom right square and fold/flip it upwards on top of the top right square. Put a pin in the bottom to indicate a seam. The fabrics will be right sides together.

Sew the two seams indicated by the pinned sides. Return to their spots, keeping the seams on the bottom. Do NOT unfold or press the seams open.

1. Working on the left-side unit, if the right edge needs to be tidied up, make a fresh trim on that right edge. You are now going to be cutting from the right edge the strips to converge. See the widths to cut in the strip measurement chart. (If you need to revolve your mat or actually move the fabric to make these cuts, be sure to put it back in its original position.)
2. Working on the right-side unit, if the left edge needs to be tidied up, make a fresh trim on that left edge. You are now going to be cutting from the left edge the strips to converge. See the widths to cut in the Strip Measurement Chart.

Strip Measurement Chart	
Strip 1	1”
Strip 2	1 1/2”
Strip 3	2”
Strip 4	2 1/2”
Strip 5	3”
Strip 6	Remaining width

←-CUT from right edge						//////	CUT -> from left edge					
??	3	2 ½	2	1 ½	1	//////	1	1 ½	2	2 ½	3	??

3. Unfold the strips back to the original 4 patch layout. The narrow 1” strips will be next to each other. Check that your orientation line is still at the top.
4. The strips from the left unit are merged with the strips of the right unit. Begin by moving Strip 1 (1”) of the left unit over between Strips 5 and 6 of the right unit.
5. Move Strip 2 (1 1/2”) of the left unit over between Strips 4 and 5 of the right unit.
6. Repeat moving unit all are merged. Check that your orientation line is at the top of each strip.
7. Halfway down each strip is a seam. Finger press seams in opposite directions as you go to nest, pin seam, sew strips in pairs from top to bottom. Place each unit back to confirm correct position. Then sew the pair sets together from bottom to top to help prevent bowing. Place them back in position as you go. Check to see that the orientation line is still on top edge. Press all long seams in the same direction.
8. First session is complete! You are halfway done and are now familiar with the steps.

Lay your project with the orientation line at the top. Your strips will now be vertical. Turn your piece 90 degrees (clockwise or counterclockwise doesn't matter.) The strips are now horizontal. Mark a new orientation line at the top within the $\frac{1}{4}$ " seam allowance.

Remove the center seam (where you were nesting all the intersections before. Do this by cutting $\frac{1}{4}$ " on either side of the seam. If the seam is tilted, it is more important to cut perpendicular to the horizontal sections than to cut parallel with the vertical seam. As you cut off that middle seam, use your ruler to make sure your horizontal lines align with your ruler.

Take one of the sections and press the seams in the opposite direction. It doesn't matter which half, but this allows for the nesting of seams.

Repeat steps 1 – 7 above. You won't have to finger press the seams since you have pressed one half in the opposite direction.

Turn your quilt back to its original position by putting the original orientation line on the top.

Square your quilt by trimming the outside edges.

Apply any borders, applique, etc.. Quilt as desired.