



GillyMac Designs
Patchwork, Quilting and Sewing Tutoring

GillyMac Magic Squares Quilt Pattern



This quilt is made up of a centre of hexagon shapes made from 4 colours with each colour being in three shades - light, medium and dark – providing an optical illusion of cubes on the quilt. The four colours I used were cream, green, red and grey. I used Dashwood Twist fabric throughout this quilt. My colour 1 was cream and my colour 2 was green, my colour 3 was red and my colour 4 was grey. I used a medium shade of colour 4 (grey) for the small border and binding and a medium shade of colour 1 (cream) for the larger outer border.

The size of the final quilt will be ~ 70" x 48"

The fabric requirements include the two borders and the binding, but not the backing fabric.

All seam allowances are ¼" throughout this pattern.



Fabric Requirements for this Quilt

Colour 1 (cream above)

Light Shade – 0.6m
Medium Shade – 1.2m
Dark Shade – 0.5m

Colour 2 (green above)

Light Shade – 0.3m
Medium Shade – 0.3m
Dark Shade – 0.5m

Colour 3 (red above)

Light Shade – 0.3m
Medium Shade – 0.3m
Dark Shade – 0.5m

Colour 4 (black above)

Light Shade – 0.6m
Medium Shade – 1.5m
Dark Shade – 0.5m

Also needed...

Sewing machine with thread and a $\frac{1}{4}$ " foot

Rotary cutter & cutting mat

A ruler with a 60 degree angle or a equilateral triangle ruler of sides 6"

Method

This quilt is made from 2 $\frac{1}{2}$ " strips, sewn together in various combination and then cut into equilateral triangles.

1. From **Colour 1** cut four 2 $\frac{1}{2}$ " strips WoF (Width of Fabric) of each of the light, medium and dark shades.
2. Sew them together in the following combinations.
Sew a light to a dark then do this again so that there are two light and dark combinations
Sew a light to a medium then do this again so that there are two light and medium combinations
Sew a medium to a dark then do this again so that there are two medium and dark combinations
3. Press all strips.
4. Using the triangle ruler or a ruler with a 60 degree angle cut triangles from all the strip combinations. This will yield 12 triangles of each combination.



5. Repeat 1-4 for Colour 2 & 3. Repeat again for Colour 4, however for this colour you will need more triangles of each combination so an additional 2 $\frac{1}{2}$ " strip of each shade should be cut. These

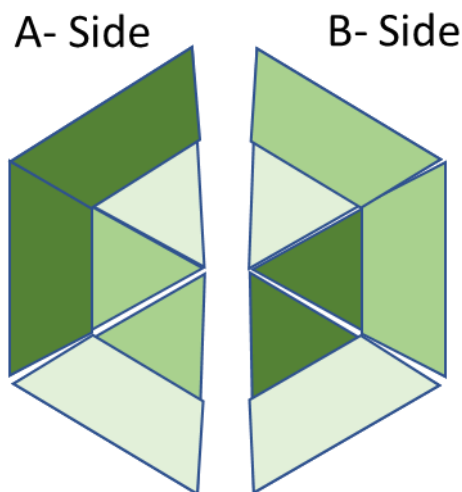


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should then be cut in $\frac{1}{2}$ so that they are approx. 20" in length. Repeat steps 2-4 to yield extra triangle combinations.

6. In each magic square/hex there is an A side and a B side which comprise different combinations of the triangles cut in the previous steps.



Combine the right triangles in three to create A sides and B sides for each colour. For Colour 1 you will need 14 As and 14 Bs for Colours 2 you will need 13 As and 12 Bs, for Colour 3 you will need 13 As and 13 Bs and for Colour 4 you will need 14 As and 15 Bs. Press all seams open.

7. You will now need to cut out the end pieces using the template provided at the end of this pattern. It is easiest to do this using 4 $\frac{3}{4}$ " strips, applying the templates to these. The template includes a $\frac{1}{4}$ " seam allowance. From the template cut

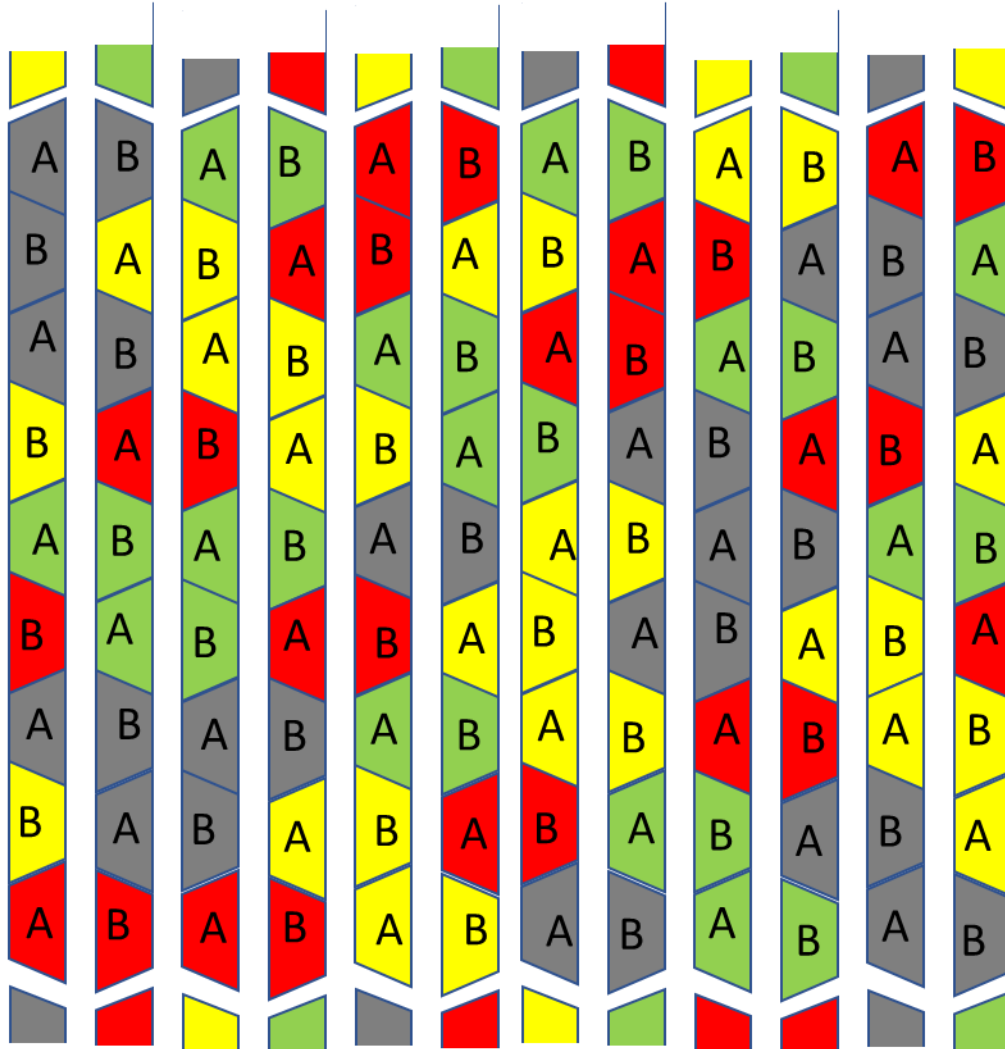
Colour 1 Light Shade – cut 6 from template (3 using right side of the template facing up and 3 with the wrong side of the template facing up)

Colour 2 Dark Shade – cut 6 from template (3 using right side of the template facing up and 3 with the wrong side of the template facing up)

Colour 3 Dark Shade – cut 6 from template (3 using right side of the template facing up and 3 with the wrong side of the template facing up)

Colour 4 Light Shade – cut 6 from template (3 using right side of the template facing up and 3 with the wrong side of the template facing up)

8. To create the quilt top without borders, use the A and B sides for each colour and build the quilt in vertical columns following the diagram below. Press all seams open.



9. Once all the vertical columns are in place, sew them together in pairs, carefully matching the two sides of the hexagons. Once the pairs are sewn, then sew the pairs together until the main section is sewn together.

10. For the first border cut six 2" strips of the mid shade of colour 1. Sew two of the strips together on the short end. Repeat this. You now have two very long strips and two shorter strips. Sew the long strips to the left and right sides of the quilt. Press. Then sew the shorter strips to the top and bottom. Press.



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11. Repeat step 10, for the final border using $6\ 3\ \frac{1}{2}$ " strips from the mid shade of colour 4.
12. Once quilted, complete the quilt with the binding in the mid shade of colour 4.

