

Double-faced twill on sixteen shafts

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If you're lucky enough to have a 16-shaft loom, you can weave a scarf in double-faced twill in which colors from the back appear and disappear on the face in a checked pattern. For a similar scarf on eight shafts (without the checked pattern), see *HANDWOVEN*, September/October 2002, pages 24–27.

Double-faced twill

In double-faced twill two warps each weave with the same weft; the warp on the face weaves 3/1 twill, the warp on the back, 1/3 twill. Because the back warp threads are down for three of every four picks, the back shows the same 3-span warp floats as the face. The two warps are wound separately but beamed together.

Warping the loom with two warps

These directions are for threading and beaming two warps. Wind each warp separately following Figures 2 and 3 on page 3 (to change colors at the warping board, tie each new end to the one used before it). Make a threading cross of single threads. Make a raddle cross at the opposite end from the threading cross (warping boards usually come with pegs for a cross at both ends). Place 12 ends together in the raddle cross. Tie the threading cross securely in both warps; place lease sticks in both raddle crosses. Attach a 1" raddle to the back beam and move the shafts aside. Suspend the lease sticks, one pair above the other, between the shafts and the back beam, with the warp chains passing through the castle and over the front beam. Sley two groups of 12 ends of the black/gray warp in each dent of the raddle. Do the same with the blue warp, on top of the black/gray warp. Secure the raddle with a raddle cap or rubber bands.

Beam both warps together, packing well with corrugated cardboard or other stiff paper or sticks, applying consistent and firm tension. Remove lease sticks from the raddle cross-

es and place them in the threading crosses when the warps are completely beamed. Thread following Figure 1, page 3.

Weaving the scarves

Weave each scarf following the treadling in Figure 1. Allow 5–6" for fringe at each end of each scarf (weave fringe sections with coarse rags to be removed after washing). Note that the last four treadles bring the blue warp on top in solid horizontal stripes. Use these for design variations.

Experiment to see whether starting the shuttle from the right or the left makes a better



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scarf



[illegible]

	5x								
45	6	1	1	1					Medium Gray
60		1	1	1	6	1	1	1	Charcoal
45						1	1	1	6
150									Black

	5x								
45	6	1	1	1					Yale Blue
60	1	1	1	6	1	1	1		Pacific Blue
45					1	1	1	6	Copen
150									

selvesedge. You can use floating selvesedges instead, but manipulating them adds a bit to the weaving time.

Finishing


Remove the scarves from the loom, cut them apart, and machine stitch across the rag weft at the ends of each fringe to prevent tangling during washing. Then toss them into the washing machine with other clothes using a warm wash, regular detergent, cold rinse.

Remove them from the washing machine and untangle them and then throw them into the dryer. Take them out of the dryer when almost dry; press.

Remove the machine stitching and rag wefts and choose either a twisted or a plain fringe. For a twisted fringe, twist the

face and back warps separately to avoid the barber-pole look that results from mixing colors. Twist two groups of three ends separately in one direction; then twist them together in the opposite direction. Secure each fringe with an overhand knot at 3–4". Trim the warp below the knots to about 1".

If you prefer a plain fringe instead of a twisted fringe, machine stitch a straight row across the bottom of each end of each scarf at a point above any weft threads that have begun to slide out of position. Remove weft threads below stitching and press fringe.

Have fun surprising your friends by wearing the scarf with one side showing, and then flip an end up to show the other side! 

A 14x14 grid with diagonal lines and labels on the right side. The labels are: 14x, 2x, 2x, 2x, 2x, 2x, 60", 2x, 2x, 2x, 2x, 2x, 2x, 14x.

PROJECT at-a-glance

Weave structure for scarves

Double-faced twill.

Equipment

16-shaft loom, 7" weaving width; 12-dent reed; 1 dent/inch raddle; 1 shuttle.

Yarns

Warp: 10/2 pearl cotton (4,200 yd/lb),
in six colors, Black #116, 270 yd (1½
oz); Charcoal #78, 360 yd (1¾ oz);
Medium Gray #19, 270 yd (1½ oz);

Copen #18, 270 yd (1½ oz); Pacific Blue #125, 360 yd (1¾ oz); and Yale Blue #63, 270 yd (1½ oz).

Weft: 10/2 pearl cotton (4,200 yd/lb),
Black #116, 700 yd (2⅔ oz).

Yarn sources

UKI pearl cottons are available from most suppliers. Copen has been discontinued. Wedgewood Blue by Valley Cottons, WEBS is a close substitute.

Warp order and length

300 ends 6 yd long in two colorways following Figures 2 and 3.

Warp and weft spacing

Warp: 48 epi (4/dent in a 12-dent reed).
Width in the reed: 6¼". Weft: 24 ppi.

Take-up and shrinkage

17% in width, 14% in length (5% take-up, 9% shrinkage). Amounts produce two scarves each 5½" X 60" plus fringe.