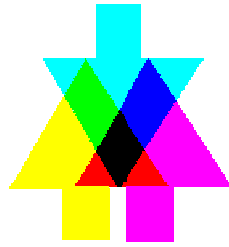




## Subtractive Color Mixing: Overlapping Filters





The subtractive primary colors are cyan, magenta and yellow. In this activity you will overlap combinations of subtractive primary filters to see which colors are absorbed by these filters and which colors pass through.

Hold cyan and magenta filters together so that white light passes through both filters before entering the eye. Carefully observe the color that is visible through overlapping filters. Repeat this procedure with the combinations of colored filters shown below.



**Note:** You can check your observations by looking at the overlapping colored arrows in the figure at the top of the page.

	+		=	
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Cyan                      Magenta

	+		=	
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Yellow                      Cyan

	+		=	
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Yellow                      Magenta

	+		+		=	
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Cyan                      Magenta                      Yellow