
```
%-----%
clc;clear;close all;
%-----%

% points for the triangle
x = [-0.75 0 0.5];
y = [2.2 3 2];

n = length(x);

P = [x;y;ones(1,n)];

figure()
hold on

fill(x,y,'b')

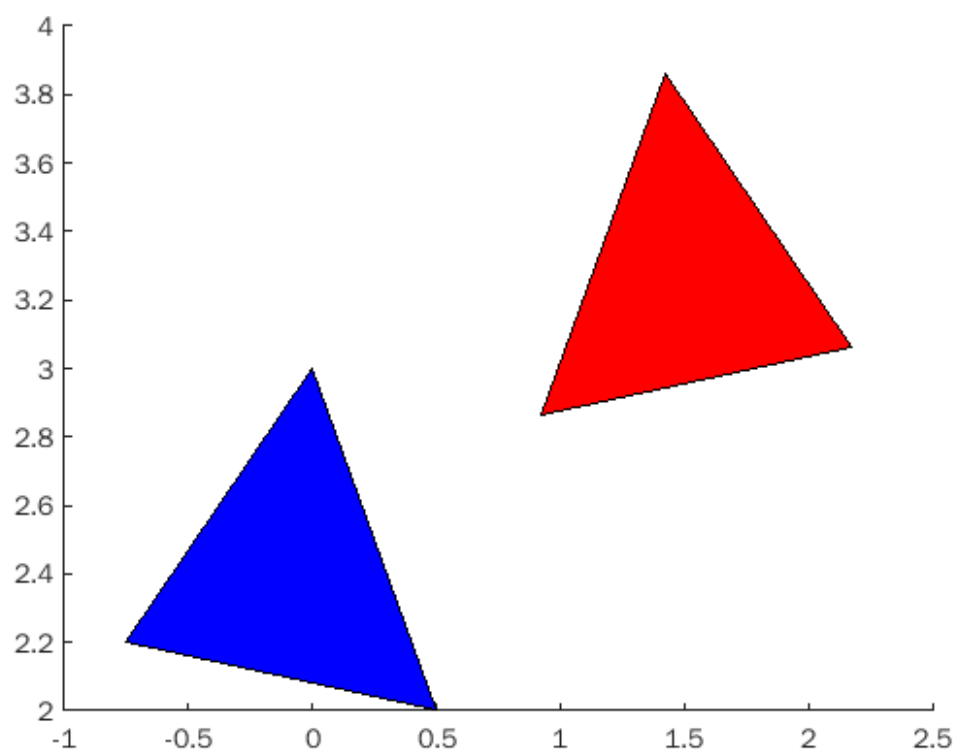
T = [...
      -1 0 1.4240
       0 1 0.8640
       0 0 1];

new_P = T*P;

x_new = new_P(1,:);
y_new = new_P(2,:);

fill(x_new,y_new,'r')

%-----%
```



Published with MATLAB® R2021b