

```
function out = Filter_BW(img)

    thresh = graythresh(img);

    out_tmp = uint8(im2bw(img,thresh)).*255;

    out_tmp(sum(out_tmp,3) == 0) = 1;

    out = zeros(size(img));

    for i=1:3

        out(:,:,i) = out_tmp;

    end

end
```

Published with MATLAB® R2017b