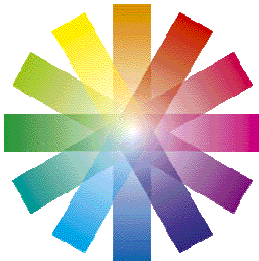


B+W-Filter Tips and Tricks

Black & White Photography

Whether a shot should be taken in black and white or color depends mainly on artistic viewpoints. Black and white images often lack clarity. In nature or in a color image, colors contrast well with one another but when they are converted to grey scale they are barely distinguishable any longer despite the faithful, brightness-dependent conversion. This can be counteracted with color filters. If the distance is to be reproduced well, a black and white image with an orange or red filter is the most expressive. Black and white shots with vivid color filters produce very different pictures. The following list provides some guidelines:

- Yellow filter: Has no "alienation" effect, highlights clouds.
- Orange filter: Similar effect to red filter, but not such sharp contrast and fewer alienation effects.
- Red filter: Sharp reproduction, strong alienation, well pronounced cloud formation, good reproduction of the distance, even in mist.



In using colors, the complementary colors play a special role in creating color contrasts. They usually work pleasantly and harmoniously in color photos. The filter color and its related colors are allowed to pass through almost undiminished, but complementary colors are weakened, so become darker. If the loss of brightness in accordance with the filter factor is compensated for by a slower shutter speed or a larger aperture, the result will be a properly exposed photo. The image shows a color star, in which the complementary colors are opposite one another.

In practice, this means that a red apple in the green apple tree will appear brighter when using a red filter, and the green foliage will become darker. In contrast, a green filter lightens the green of the leaves and darkens the red of the apple.



Color Picture



B&W Photo without Filter



B&W photo with B+W dark red
Components of the intrinsic color red
become lighter, components of the

Jos. Schneider Optische Werke GmbH
Ringstraße 132
55543 Bad Kreuznach
Germany
Phone +49 671 601-125
Fax +49 671 601-81 – 125
www.schneiderkreuznach.com/fotofilter
filter@schneiderkreuznach.com

