

TIFFEN®

Filters & Lenses Accessories



PHOTO VIDEO DIGITAL



See the Difference

Tiffen filters make a big difference indoors, outside, close-up portraits or mile-wide landscapes in bright or dim light, and in many other photographic situations. The right Tiffen filter delivers a great image instead of a snapshot. Whether you're shooting photos or video, in black and white or color, they offer a variety of subtle and spectacular effects to give you more enjoyment every time you pick up your camera.

The Tiffen Ten-Year Warranty

Tiffen precision-made filters are superior, we back them with a 10-year warranty against manufacturing defects. It includes our batch-yeared glass filters in which each lens can be individually laminated to space shuttle standards.

Technical Achievement Award from the Academy of Motion Picture Arts and Sciences.

Picture of innovative product design. Tiffen has also been awarded an Emmy from the National Academy of Engineering Excellence.

The Professional's Choice

Superior quality and design make Tiffen filters a choice of movie makers, NASA and professional photographers. Our filters are used in almost every major movie and TV production around the world. The craftsmanship these professionals demand is part of every Tiffen filter, whether for standard still photography or scientific work.

Helpful Icons



When you see this icon next to a filter, it means that the filter is also available as a Tiffen TMC.



Also available with anti-reflective coating on multi-angle lenses.



These filters are available in handy kits for convenient multiple use.



This shows the recommended increase in exposure or gain for use with Tiffen filters for manual exposure.



These filters are recommended for use with digital cameras.



Special TMC filters are available for the Tiffen TMC Multi-Angle Lenses.

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Different densities of an effect. The high Please check the size and size (p. 47) to select the filter that is right for you.

Cover Photos:
 © Christie Spencer: Eyeflame, Left Photo
 © Dottie Waxman: ENHANCING (bottom left)
 © Jasper Johal: Black Diffusion/FX® 3 (top right)
 © Charles Campbell: Color-Grad® ND. 6 (bottom right)

OTHER TIFFEN PRODUCTS AA-A7

PROTECTION / UV / FILTERS



UV Protector Sky 1-A Haze Warm UV-17

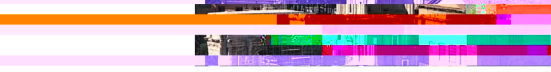
Safeguard your lens
absorb UV light

than our eyes. UV light is most intense at high altitudes and long distances, particularly over water. Ultra Violet filters are available in a variety of UV absorbing materials. They are made of cambride plastic. They are resistant to moisture, fingerprints, scratches and damage. The filters can be kept on your camera at all times.



UV Protector

- Most popular protection filter
- Provides basic reduction of UV light
- Available for Wide Angle lenses



Sky 1-A Filter

- Absorbs almost half of UV light
- Popular general use filter
- Ideal for use in open shade and on overcast days
- Provides better colors
- Especially useful for aerial photography
- Available for Wide Angle lenses



Haze-1

- Reduces excessive haze in aerial photography
- Best general purpose UV control
- Eliminates UV problems from situations where increased haze tends to impair color and image clarity
- Available for Wide Angle lenses

SPECIAL UV FILTERS

Haze-17

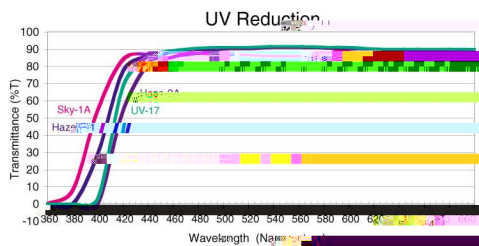
- Absorbs virtually all UV light
- Perfect for use in high humidity and over water
- Ideal for aerial shots, mountains and marine scenes
- Preserves colors and clarity

UV-17

- For the technically minded
- Absorbs slightly less UV light than Haze-17

Warm UV-17

- Combines benefits of the UV-17 and Haze-17



POLARIZING FILTERS



Polarizers provide color and contrast.

Reflected light often shows up as a wash of color in an image. A polarizer corrects this problem, producing deep blues and greens. It also removes glare from surfaces such as windows and water, especially outdoors.



Polarizer 102 Circular Polarizer

- Essential general-use filter for all photography.
- Produces dramatic effects in black and white and color photography.
- Combine a Polarizer with a Diffuser for more interesting results.
- Can be rotated to achieve desired effect.
- Available in 1/8" and 1/4" sizes.

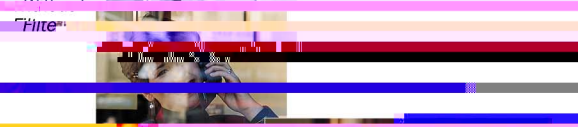


A Circular Polarizer has the same effect as a Polarizer and is used with automatic metering systems commonly found on autofocus SLR's (for most 35mm auto focus cameras see your camera manual).

Use the Tiffen Polarizer with the ENHANCING filter for more dramatic effects.

Warm Polarizer FS2

Combines the benefits of the Polarizer with the warming effect of the 912® Color Filter, making it ideal for portraits and scenes.



Polarizer

Warm Polarizer

Area of Sky Most Effective Circular Polarizer:

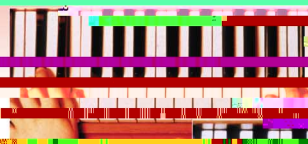
Point your index finger at the sun. With your thumb pointing up, rotate it around the axis of the index finger. It will point to the band of darkest blue.



COLOR CONVERSION FILTERS



80A 80B 85 85B 85C



Sunlight and other artificial light sources have characteristic color temperatures that alter images by adding color.

Film and video are rated for a particular color temperature such as that of daylight or tungsten. Color conversion filters are used to correct unbalanced color temperatures and the light source.

80 Series

Corrects the warm colors with daylight film when shooting indoors, without a flash.

80A FS 2

Balances daylight film for use with tungsten light and tungsten lighting.

80B FS 1 1/2

Balances daylight film for use with studio flood lamps.

85 Series

Using tungsten film in daylight will produce a bluish cast. The 85 Series corrects this color cast. Results use the filter that most accurately matches your film type.

85 FS 3

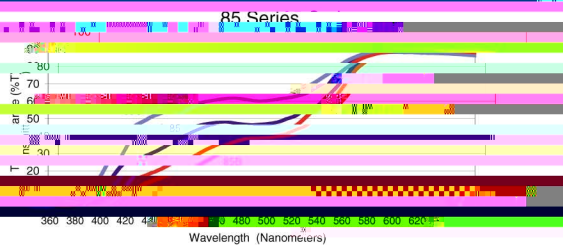
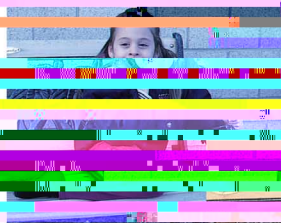
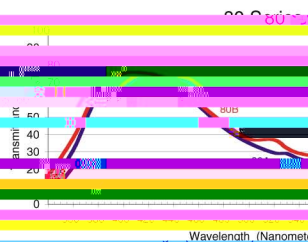
Produces slightly cooler results with daylight.

85B FS 3/4

Converts Type B film to daylight.

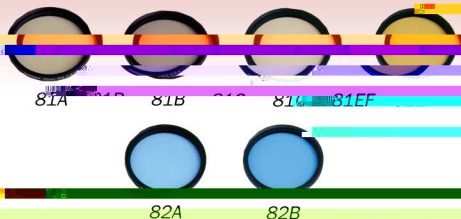
85C FS 1

Used as a color correction filter for tungsten film in daylight. Designed to produce cooler results with tungsten film in daylight than the 85 or 85B.



Filter	Conversion	Exposure
80A	3,200 to 5,500 K	2 stops
80B	3,400 to 5,500 K	2 1/2 stops
85	5,500 to 3,200 K	2 stops
85B	5,500 to 3,200 K	2 1/2 stops
85C	5,500 to 3,800 K	2/3 stop

LIGHT BALANCING FILTERS



81A, 81B, 81C 
& 81EF 

The 81 series filters are useful when a color corrected film is color balanced with an overcast day or when shooting with electronic flash.

- Great for improving flesh tones
- 81A corrects color balance from 3,500 K to 3,100 K lighting

82A , **82B** 

The 82A and 82B reduce color cast and prevent redaction cast.

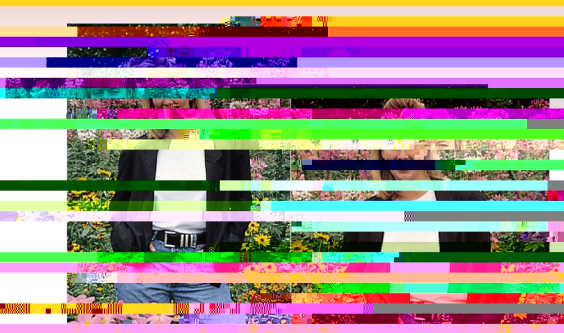
- Prevents redaction cast
- Maintains natural color
- Can create moon or color cast
- 82A provides a cooler effect with tungsten Type B film

Color Compensating Filters

Magenta CC05M, CC10M, CC20M, CC30M, CC40M, CC50M, Red CC30R.

Magenta filters balance the color of exposure and produce a color effect. Used for making a color tint. These filters are combined to achieve more density.

The Red CC30R produces warmer, more accurate colors when shooting through water or heavily green tinted glass.



Filter	Color Temperature Range	Stop
81A	3,500 to 3,100 K	1/3 stop
81B	3,500 to 3,200 K	1/3 stop
81C	3,600 to 3,850 K	1/3 stop
81EF	3,500 to 3,100 K	1/3 stop

