

# Photochromics & Filters for Low Vision & TBI

## Why choose Chadwick Optical for your specialty RX tints?

All of our tints are matched to our in-house sample using a spectrophotometer to check transmittance & wavelengths, then each lens is visually compared under three separate light sources to ensure accuracy. Do you have a favorite color of your own? Send us a sample. We'll match it using the same process.

## The History

Chadwick Optical's Variable Tint (VT) & Filter Vision (FV) products were inspired by doctors who were concerned about dispensing Corning's CPF line of glass photochromics to their low vision patients. Through thousands of hours of research & development, Chadwick discovered how to match these colors in a CR-39 material, & even make them in photochromic!

The product availability has expanded considerably over the years, & now can be produced in Trivex and 1.67 in addition to CR-39 & Polycarbonate. Most tints are available in single vision, bifocals, trifocals, & even some of our specialty free-form lens designs.

## Lens Availability

High add progressives, high add flat-tops, myodiscs, lenticulars, even Franklin and sector designs are available in both VT and filter vision. The chart below is designed to serve as an availability guide, but please ask even if you don't see it here. We can usually find a way to do what you want.

**If you don't see what you're looking for on the chart, give us a call! We can usually find a way to do what you want.**



## Polarization and Extra Dark Filters

Many of the darker color matches to NOIR, Eschenbach & Cocoons are available from Chadwick in RX polarized sun lenses. Plums, ambers, blues, greens, and greys are all available in polarized. We can get down to a 1% light transmission in case the darkest lens you have just isn't quite dark enough.

## Color Availability

Chadwick can make most of the colors from NOIR Medical, & the very popular FL-41 tint for migraines. There's no need to send tint samples.

**We keep a full on-site library of colors from NOIR Medical, Eschenbach & Cocoons.**

*Chadwick Optical is the nation's leading manufacturer of custom low-vision Rx's and specialty tints. High adds, highplus, high minus, high prism. Remember us for your extraordinary Rx's. We're up for the challenge!*

	CR39	POLY	TRIVEX	1.60	1.67
SINGLE VISION	♣ ♦	♣ ♦	♣ ♦	♣ ♦	♣ ♦
FLAT TOP 28	♣ ♦	♣	♣ ♦	♣	♣
FLAT TOP 35	♣ ♦	♣	♣	♣	
7 X 28 TRIFOCAL	♣ ♦	♣	♣ ♦		
PROGRESSIVE	♣ ♦	♣ ♦	♣ ♦	♣ ♦	♣ ♦
ROUND BIFOCAL	♣ ♦	♣ ♦	♣ ♦	♣ ♦	♣ ♦

♣ Available in Filter Vision ♦ Available in VT Photochromic

## Flippers



## Trial Lenses



## NOIR Key Ring

70 Noir Colors plus:  
3 shades of FL-41  
3 shades of E Blue  
COI Plum  
Nighthawk  
COI 507



**CHADWICK OPTICAL**

Family owned & operated since 1981

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1-800-410-1618

\*See back of sheet for a comprehensive list of available tints.

# Available Tints & Filter Kits

## OUR TINT LIBRARY

This is a list of tints that you can order by name, and we'll know what you mean. If it's not on this list and it's a unique color, be prepared to send us a sample.

### NOIR MEDICAL SIMULATIONS

- #01 10% Medium Amber
- #02 18% Medium Grey-Green
- #07 2% Dark Amber
- #08 1% Dark Grey-Green
- #10 90% Clear
- #11 40% Light Amber
- #12 40% Light Grey-Green
- #20 58% Grey
- #21 32% Medium Gray
- #22 13% Dark Grey
- #23 4% Dark Grey
- #26 30% Blue
- #28 58% Light Grey
- #30 7% Grey-Green
- #31 40% Light Green
- #32 40% Light Green
- #33 4% Dark Grey-Green
- #35 14% Medium Green
- #39 4% Dark Green
- #40 16% Amber
- #42 21% Grey Polarizer
- #43 4% Dark Amber
- #44 26% Amber Polarizer
- #47 40% Topaz
- #48 53% Light Amber
- #50 54% Yellow
- #51 40% Light Yellow
- #53 4% Dark Yellow
- #55 14% Medium Yellow
- #58 65% Light Yellow
- #59 4% Dark Yellow
- #60 49% Orange
- #61 40% Light Orange
- #63 4% Dark Orange
- #68 52% Light Orange
- #69 4% Dark Orange
- #70 44% Pink
- #75 47% Red/Orange
- #80 4% Plum
- #81 20% Plum
- #88 40% Light Plum
- #90 45% Medium Red
- #91 40% Light Red
- #93 4% Red
- #95 14% Medium Red
- #98 59% Light Red
- #99 4% Red
- #465 70% Yellow
- #505 56% Orange
- #533 35% Amber/Orange
- #553 52% Red/Orange
- #570 39% Dark Red/Orange

### CPF SIMULATIONS

- 450
- 450X
- 450XG
- 511
- 511X
- 527
- 527X
- 550
- 550XD
- Glarecutter

### ESCHENBACH SOLAR SHIELD™

- Amber
- Grey
- Orange
- Plum
- Yellow

### ESCHENBACH WELLNESS PROTECT™

- WP 15
- WP 50/15
- WP 65
- WP 85
- WP 85

### COCOONS™

- Amber
- Boysenberry
- Copper
- Grey
- Hazelnut
- Lemon
- Orange
- Yellow

### CHADWICK OPTICAL EXCLUSIVES

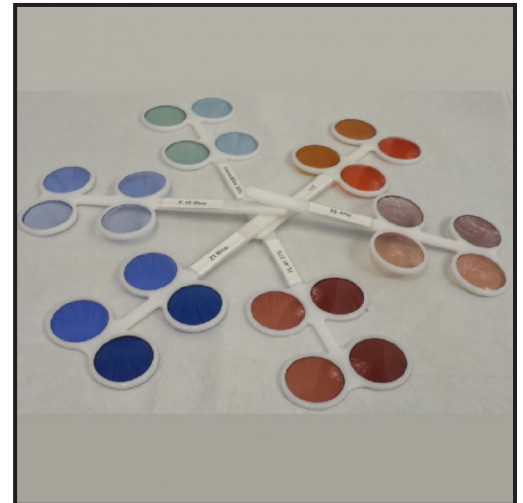
- FL-41™
- Electric Blue
- COI Plum
- Green-Blue 20%
- Blue-Green 20%
- Zee Blue



### NORA POLYTRAUMA FILTER KIT

Developed for doctors specializing in neuro-optometry, a kit of 6 flippers that NORA & VA doctors have found helpful for TBI/polytrauma patients. Contents:

- |                |                |
|----------------|----------------|
| Green/Blue 20% | Blue Green 20% |
| E-50 Blue      | E-30 Blue      |
| E-15 Blue      | Z1 Blue        |
| FL-41-27%      | FL-41-50%      |
| FL-41-75%      | COI Plum       |
| Noir 81        | Noir 88        |



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