



- Sign In
- Shopping Cart (1)

## Searchmen

Search Frame Model, or Bra

Searoplasses

Togglemavigation

What camp has you find?
• reading glasses Search

- **LOOK**DIFFERENT
- Need Help Sign in Sign In Information

- *cart*\_(0)
- men

#### **Men's Glasses**

## Men's Sunglasses

#### Top materials

- o <u>Plastic</u>
- Metal
- o <u>Titanium</u>

#### Men's Styles

- <u>Designer</u>
- Rimless
- o <u>Big</u>
- o Small
- o Retro

#### **Men's Top Brands**

- o Gucci
- Versace
- o Ray-Ban
- o Oakley
- Burberry
- o Tom Ford

#### Men's Shapes

- Aviator
- o Oval
- Rectangular
- Round

#### Top brands

- See All 350 Brands
- Dolomiti Eyewear
- o Oakley
- o Ray Ban
- o Gucci

- Versace
- Prada
- o Tom Ford
- Burberry
- Silhouette
- o Nike
- o Dolce & Gabbana
- o Flexon
- o Giorgio Armani
- Calvin Klein
- o Persol

#### **Eyeglass Lenses**

- How To Choose
- Lens Pricelist
- Perfect Lenses Guarantee

#### **Glasses Info**

- How To Buy Online
- Consumer Guide
- Shop By Shape, Color, Size, etc
- women

#### **Women's Glasses**

#### **Women's Sunglasses**

#### Top materials

- o Plastic
- Metal
- <u>Titanium</u>

#### Women's Styles

- o <u>Designer</u>
- o Rimless
- o Small
- o Retro

#### Women's Top Brands

- o <u>Versace</u>
- o Gucci
- o Ray-Ban
- Burberry
- o Tom Ford

#### Women's Shapes

- o <u>Cat Eye</u>
- o Oval
- Rectangular
- Round

#### Top brands

- See All 350 Brands
- Gucci
- o Dolomiti Eyewear

- o <u>Versace</u>
- Tom Ford
- Prada
- <u>Tiffany</u>
- Oakley
- o Ray Ban
- <u>Burberry</u>
- Coach
- Michael Kors
- Silhouette
- Kate Spade
- o <u>Vogue</u>
- o Tory Burch
- o Dolce & Gabbana
- o Giorgio Armani
- o Jimmy Choo
- o Guess
- o Calvin Klein
- Vera Bradley

#### **Eyeglass Lenses**

- How To Choose
- Lens Pricelist
- Perfect Lenses Guarantee

#### **Glasses Info**

- How To Buy Online
- o Consumer Guide
- Shop By Shape, Color, Size, etc
- glasses

#### **Shop By Category**

- o Mens
- Womens
- Round
- o Cat Eye
- Rimless
- <u>Kids</u>
- <u>Designer</u>
- <u>Vintage</u>
- <u>Big</u>
- Small
- Retro
- Gold
- <u>Titanium</u>
- Most Popular
- o Octagon
- o Celebrity
- Flexible
- Made in USA
- Presidential Collection
- o Asian Fit
- Magnetic Clip On Sunglasses
- <u>Vision for the Homeless</u>
- Prescription Safety Glasses
- o <u>Sale</u>
- TurboFlex 360 Hinge

- See All 350 Brands
- o Dolomiti Eyewear
- Dolomiti Vintage
- Gucci
- o Versace
- o Oakley
- o Ray Ban
- Tom Ford
- o Prada
- Burberry
- Silhouette
- Balenciaga
- o Coach
- Michael Kors
- Nike
- Kate Spade
- o <u>Vogue</u>
- Tory Burch
- Dolce & Gabbana
- Flexon
- <u>Tiffany</u>
- o Giorgio Armani
- o Jimmy Choo
- o Guess
- o Calvin Klein
- Vera Bradley
- o Persol

#### **Eyeglass Lenses**

- How To Choose
- Lens Pricelist
- Perfect Lenses Guarantee

#### **Glasses Info**

- How To Buy Online
- Consumer Guide
- o Shop By Shape, Color, Size, etc
- <u>lenses</u>

#### **Order Lenses** »

#### **Lens Pricelist**

#### **Replacement Lenses**

#### **Prescription Lenses**

- Single Vision
- Progressive (No Line)
- Bifocal (With Line)
- Trifocal (With Lines)
- Reading Vision
- o Computer Vision
- o <u>Eyezen</u>
- Lens Services

#### **Lens Materials**

- o <u>CR-39 (regular plastic)</u>
- High-Index 1.59 Polycarbonate

- <u>Ultra Thin 1.67 & 1.74</u>
- Trivex (Best for rimless frames)
- o Glass
- Oakley Prescription Lenses
- Ray Ban Prescription Lenses
- <u>sunglasses</u>

#### **Shop By Category**

- Prescription
- Polarized
- o Mens
- Womens
- Aviator
- o <u>Designer</u>
- o Clip On
- o Cat Eye
- Round
- Kids
- Fishing
- Golf
- Motorcycle
- o <u>Celebrity</u>
- Ships Today
- Most Popular
- o Rimless
- Vintage
- Sport
- Boating
- Flexible
- o <u>Driving</u>
- Asian Fit

#### **Top Brands**

- See All 350 Brands
- o Oakley
- o Prada
- Gucci
- o Ray Ban
- <u>Versace</u>
- Dolomiti Vintage
- Tom Ford
- <u>Burberry</u>
- Maui Jim
- o Persol
- o Balenciaga
- Coach
- Tory Burch
- o Revo
- Kate Spade
- Dolce & Gabbana
- <u>Tiffany</u>
- Nike
- Wiley X
- Bolle
- Salvatore Ferragamo
- o Giorgio Armani
- <u>Vogue</u>

#### **Sunglasses Lenses**

How To Choose

- Lens Pricelist
- Perfect Lenses Guarantee

#### **Sunglasses Info**

- How To Buy Online
- Prescription Sunglasses
- Shop By Shape, Color, Size, etc
- reading glasses

#### **Shop By Category**

- Monocle
- Pince Nez
- Lorgnette
- Folding
- <u>Half-Eye</u>
- contact lenses
- BE YOUR VISION

LOOK DIFFERENT OUR GIVE BACK OUR STORY OUR SERVICES

# BE YOUR VISION

## LOOKDIFFERENT

LET EVERYONE SEE YOUR STORY.

WHY WE GIVE BACK

- \$\int\_50\%\$ Lower Prices 50\% Lower Prices
- Easy Returns Easy Returns
- Conline since 1999 Online since 1999
- < Back
- All Men
- Glasses
- Sunglasses
- Top Materials
  - Plastic
    - Metal
    - <u>Titanium</u>
- Top Brands
  - See All 400+ Brands
    - Dolomiti Eyewear

- Oakley
- Ray Ban
- Gucci
- Versace
- Prada
- Tom Ford
- Burberry
- Silhouette
- Nike
- Dolce & Gabbana
- Flexon
- Giorgio Armani
- Calvin Klein
- Persol
- Men's Shapes
  - <u>Aviator</u>
    - Oval
    - Rectangular
    - Round
- Men's Styles
  - <u>Designer</u>
    - Rimless
    - <u>Big</u>
    - Small
    - Retro
- < Back
- All Women
- Glasses
- Sunglasses
- Top Materials
  - Plastic
    - Metal
    - <u>Titanium</u>
- Top Brands
  - <u>See All 400+ Brands</u>
    - Gucci
    - Dolomiti Eyewear
    - <u>Versace</u>
    - Tom Ford
    - Prada
    - <u>Tiffany</u>
    - Oakley
    - Ray Ban
    - Burberry
    - Coach
    - Michael Kors
    - Silhouette
    - Kate Spade
    - <u>Vogue</u>
    - Tory Burch
    - Dolce & Gabbana
    - Giorgio Armani
    - Jimmy Choo
    - Guess
    - Calvin Klein
    - Vera Bradley
- Women's Shapes
  - o <u>Oval</u>
    - Rectangular
    - Round
    - Cat Eye
- Women's Styles
  - <u>Designer</u>

- Rimless
- Small
- Retro
- < Back
- All Glasses
- Shop By Category
  - <u>Womens</u>
    - Mens
    - Reading Glasses
    - Round
    - Most Popular
    - In Stock
    - Designer
    - Presidential Collection
    - Retro
    - Vintage
    - Rimless
    - <u>Titanium</u>
    - Celebrity
    - <u>Big</u>
    - Small
    - Unique
    - Flexible
    - Top Brands
    - Revue Boutique
    - Prescription Eyeglasses
    - Plastic
    - Kids
    - Made in USA
    - Swarovski Crystals
    - Asian Fit
    - Computer Glasses
    - Vision for the Homeless
    - Sale
- Top Brands
  - See All 400+ Brands
    - Dolomiti Eyewear
    - Dolomiti Vintage
    - Gucci
    - Versace
    - Oakley
    - Ray Ban
    - Tom Ford
    - Prada
    - Burberry
    - Silhouette
    - Balenciaga
    - Coach
    - Michael Kors
    - Nike
    - Kate Spade
    - <u>Vogue</u>
    - Tory Burch
    - Dolce & Gabbana
    - Flexon
    - <u>Tiffany</u>
    - Giorgio Armani
    - Jimmy Choo
    - Guess
    - Calvin Klein
    - Vera Bradley
    - Persol
- Eyeglass Lenses

- o <u>How To Choose</u>
  - Lens Pricelist
  - Our Lens Quality: Guaranteed
- Glasses Info
  - How To Buy Online
    - Consumer Guide
    - Shop By Shape, Color, Size, etc
- < Back
- Order Lenses
- Lens Pricelist
- Prescription Lenses
  - Single Vision
    - Progressive (No Line)
    - Bifocal (With Line)
    - <u>Trifocal (With Lines)</u>
    - Reading Vision
    - Computer Vision
    - <u>Eyezen</u>
    - Lens Options
    - Lens Services
- Lens Materials
  - <u>CR-39 (regular plastic)</u>
    - <u>High-Index 1.59 Polycarbonate</u>
    - Ultra Thin 1.67 & 1.74
    - Trivex (Best for rimless frames)
    - Glass
    - Oakley Plutonite Polycarbonate
- Replacement Lenses
- < Back
- All Sunglasses
- Shop By Category
  - o <u>In Stock</u>
    - Womens
      - Mens
      - Prescription
      - Polarized
      - Designer
      - Round Sunglasses
      - Most Popular
      - Celebrity
      - Top Brands
      - Rimless
      - Clip On Sunglasses
      - Vintage
      - Fishing
      - Sport
      - Golf
      - Motorcycle
      - Boating
      - Flexible
      - Kids
      - <u>Driving</u>
      - Swarovski Crystals
      - Aviator Sunglasses
      - Asian Fit
      - Sale
- Top Brands
  - o See All 400+ Brands
    - Oakley
    - Prada
    - Gucci
    - Ray Ban
    - Versace

- Dolomiti Vintage
- Tom Ford
- Burberry
- Maui Jim
- Persol
- Balenciaga
- Coach
- Tory Burch
- Revo
- Kate Spade
- Dolce & Gabbana
- Tiffany
- Nike
- Wiley X
- Bolle
- Salvatore Ferragamo
- Giorgio Armani
- Vogue
- Sunglasses Lenses
  - How To Choose
    - Lens Pricelist
    - Our Lens Quality: Guaranteed
- Sunglasses Info
  - How To Buy Online
    - Prescription Sunglasses
    - Shop By Shape, Color, Size, etc
- < Back
- All Reading Glasses
- Shop By Category
  - Monocle
    - Pince Nez
    - Lorgnette
    - Folding
    - Half-Eye

#### **Eyewear Info**

How To Buy Glasses Online How to Buy FAQ Consumer Guide

#### **Eyeglass Frames**

Adjusting Blue Light Glasses Cheap Eyeglasses Cleaning Computer Glasses Flexible Frame Shape Frame Fit Frame Materials Frame Parts Frame Quality Frame Size Frame Types Glasses & Face Shape Kids GlassesPrescription Glasses Prescription Sunglasses Reading Glasses Replace Your Broken Eyeglasses Rimless Frames Smart Glasses Try On Glasses

#### **Prescription Lenses**

<u>Lenses FAQ How to Choose Anti-Reflective Coating Bifocals Contact Lenses Crizal Avance Crizal Prevencia Crizal Sun Eyeglass Lenses High Index Lens Services Lens Quality Oakley Progressive Ray-Ban Replacement Lenses Segment Height Measurement Transitions UV Protection Varilux</u>

#### **Your Eyes & Prescription**

Your Prescription Pupil Distance How to Submit Rx Online Eye Exam Eye Health Eye Test LASIK Surgery Cataracts Vision Benefits - Employers Vision Info Links Vision Test Vision Insurance Vision Insurance - Aetna Vision Insurance - Aetna Vision Insurance - Block Vision Insurance - Blue Cross Blue Shield Vision Insurance - Davis Vision Vision Insurance - Eyemed Vision Insurance - Flex Spending Vision Insurance - Humana Vision Insurance - NewVision Benefits Vision Insurance - Spectera Vision Insurance - VSP

#### **Company Info**

About Us Advanced Search Affiliate Program Careers Company Info Community Service Discount Glasses

Eyeglasses Recycling Gift Certificates Gift of Vision Management Mission Statement Money Back Guarantee

Newsletter Price Match Return Policy Optometrist – Westport Optometrist – West Hartford Order Tracking Press

Privacy and Security Shipping US Shipping International Store Locator Store - Westport Store – West Hartford Terms of Use Testimonials

## Blue Light Glasses

Blue light glasses are glasses with lenses that are fitted with a filter that can block or absorb some of the light which is everywhere. Some designs additionally block UV light, similar to sunglasses. Once you have your prescription, you can add a blue light blocking coating to your prescription lenses to make glasses that block blue light. We always recommend Crizal Prevencia, which blocks blue light, has an anti-reflective coating, a super hard coating, and a two year anti-scratch warrantee. There is no finer way to treat your eyes than Crizal Prevencia.

Varilux Progressive Blue Block Lenses

# Do Blue Light Blocking Glasses Really Work?

Wearing blue light blocker glasses with these lenses can reduce – by a small amount – the total amount of blue light

that enters your eyes while you are looking at digital screens – good and bad blue light. But, blue light is natural and a necessary part of the light spectrum, and light blocking lenses only filter a small amount of the blue light that is entering your eyes. Doctors are not convinced, check out this article on <u>blue light glasses</u> to learn more about them from a medical perspective.

## What Are Blue Light Blockers?

Blue light filtering glasses have a blue light filter in the lenses, which help to block some of the potentially harmful blue light from entering your eyes. This feature is completely different and unrelated to anti glare coating, dry eye, light sensitivity, tinted lenses, tunnel vision, vision impaired profile, macular degeneration and other issues.

Blue light exposure occurs in every setting, indoors, outdoors, and in front of a computer. When you use blue light readers or blue light computer glasses as you are using a digital device, electronic devices, or looking at a digital screen, some blue light comes to your eyes through the lenses and some comes to your eyes from around the edges of the lenses. A blue light blocking lens in a non prescription or prescription lens will block a portion of the blue light getting to your eyes through the lenses; basically, the filter blocks a portion of a portion of the blue light - in total, around 15-20% of the blue light hitting your eyes. That is why the AOA and the Vision Council have not confirmed blue light lenses as being more beneficial than clear lenses.

You will see tons of advertising promoting the benefits of blue light glasses from companies like Look Optic and Felix Gray, but there is no medical research or evidence to back their claims.

## What Is Blue Light?

"Blue light" is everywhere, and it is a general term and refers to all the light that falls in the range of 400-495nm. The "bad" light is only in the 400-430nm range. The "good" blue light is in the 430-490nm range and we need that to stay healthy and to survive. Companies claim that we may get more blue light that we need from television screens, laptops, mobile devices, and other electronics on the market. The average American will spend up to half of their waking lives (42 percent) in front of screens.

Studies show that too much screen time can have a negative effect on the mind but also impact your <u>eye health</u>. For example, adults who spend hours in front of a computer screen to perform work-related tasks increase the <u>risk of headaches</u> and migraines. However, recent claims by companies that sell blue blocking lenses imply that this light is the leading cause of this and other hazards to people's eyes.

Crizal No Glare CoatingOn a clear, sunny summer day, there's no avoiding the bright blue sky. While humans have evolved under light from the sun, it was common practice to avoid looking directly into it to preserve eyesight. Nowadays there are new technologies emitting various wavelengths of light and people are staring directly into them for prolonged periods of time. The concern of excess blue light comes from the long-term effects of screen exposure, the close proximity of viewing, and the length of time in front of these screens.

## What Is Blue Light? Where Does it Come From?

Blue light <u>emanates</u> primarily from the sun, and also from fluorescent lights, Compact Fluorescent Light (CFL) bulbs, flat-screen LED TVs and screens, LED Lights, computer monitors, smartphones, and tablet screens.

Right now, LEDs are becoming the most popular type of lighting on the market. Chronic exposure to LED lights can

have a photo-toxic effect on people's eyes. A <u>statement</u> from the Environmental and Occupational Health & Safety report says, "accelerate the aging of retinal tissue and contribute to a <u>decline in visual acuity</u> and certain degenerative disease such as age-related macular degeneration."

While LED lights may have concerns due to blue light, it may be misleading to believe that this is the same issue with computer screens and mobile devices.

#### Blue Light Impacts Sleep — Or Does It?

Good blue light is required to maintain optimal health. The body uses light to regulate its circadian rhythm, the natural wake and <u>sleep</u> cycle. If you are exposed to blue light during the day, this helps maintain a healthy circadian rhythm. Too much exposure late at night, such as looking at your smartphone in bed, can disrupt the sleep cycle and cause sleep problems or daytime drowsiness.

Blue filter glasses do block the bad light, as well as the good bluelight. So it is theoretically possible that blue-blocking lenses may help you; it is equally possible that blocking blue light could hurt you. There is no research either way. The main problem is not with the good or bad light, however, it is with our overuse of these devices.

### **Can Blue Light Glasses Protect Your Eyes**

For people with a sensitivity to blue light, having a pair of blue light glasses may reduce any adverse effects on your eyes. However, any <u>claims</u> that blue blocking glasses for the computer can improve sleep, reduce headaches, and prevent eye problems may be misleading due to a lack of evidence to support it.

If you want to protect your eyes and avoid symptoms of eye strain, the best advice would be to:

• Reduce the amount of time spent in front of a screen;

- Take regular breaks (i.e., 20-20-20 rule: Take breaks every 20 minutes by looking at an object 20 meters away for 20 seconds);
- Wear the appropriate eyewear, especially for any <u>prescription glasses</u>.

With all the hype in the media, blue light glasses for computer may just provide a placebo effect. Or, perhaps more time is needed for research to discover its benefits. Ultimately, getting a pair of blue light lenses comes down to personal preference.

## **Computer Glasses**

Computer glasses (sometimes called "computer reading glasses" or "reading glasses for computer use") have become a popular topic in the eyeglasses world, due to some new companies that are promoting special coatings. To understand what they are, we need to first understand the problems they are trying to solve. The problems that computer glasses are designed to relieve are <a href="digital eyestrain">digital eyestrain</a>, blurred vision, red eyes, dry eyes, and other symptoms of <a href="computer vision syndrome">computer vision syndrome</a>. To relieve these symptoms, here are three main benefits:

- 1) They are designed for a 20" to 26" distance from the computer. This is NOT the "reading" distance of 10" to 14", nor the distance vision distance of over 36".
- 2) Blue light blocking lenses can cut down on harmful blue light.
- 3) Anti-reflective coating can cut down on glare from computers.

Anti-reflective coating added to computer glasses helps to cut down on the glare that enters your eyes from the computer screen, and any other light sources that may be in the room. For example, if your computer room has many windows, during the day it will be filled with ambient light bouncing around, and no-glare glasses will help to reduce

that light from entering your eyes. Glare entering your eyes causes eye fatigue, and actually reduces visual acuity because it blocks your eyes from seeing clearly.

# Computer Vision Distance - Get It Right!

Computer glasses can only resolve vision problems if you have the right prescription strength. No amount of coatings will help you if your eyewear is not tuned to the vision correction needs of your eyes. If you pick a pair that "seems" right to you from a drugstore, you are not going to solve the distance problem, and you will continue to experience digital eye strain and its effects. To do it right, this requires a visit to an eye doctor near you. Your eye doctor can issue a prescription for near, intermediate, and distance vision. You can then decide what types of prescription lenses you need for your lifestyle.

For example, single vision lenses, <u>progressive lenses</u>, and <u>bifocal lenses</u> can all be used. Single vision lenses are the most common, and the new computer glasses brands were developed this way, primarily as gaming glasses. Gamer glasses are "off the shelf", meaning that they do not require a prescription. Again, if you "self diagnose" the power of computer glasses for yourself, you will not be solving your problems, and you may end up spending more money in the end. Prescription computer glasses are a much more effective way to handle digital eye strain, and computer vision syndrome.

### **Computer Vision Syndrome**

For people who look at computer screens for an extended period of time, they may suffer from Computer Vision Syndrome. The symptoms associated with this syndrome include eyestrain, tired eyes, redness, irritation, blurred vision, and double vision. To reduce these effects, it's recommended to install proper lighting, add anti-glare

filters, or take regular breaks. More importantly, reduce the amount of time you spend in front of a computer.

However, the amount of harmful light radiation coming from these devices has not been linked to any kind of degenerative eye diseases. The National Library of Medicine published a study that did not find any measurable UVA or UVB radiation from monitors.

Author of this article



Agnew, CEO of Eyeglasses.com, which he founded Author in 1999. For over twenty years, he has educated consumers, improved their vision choices, and reduced costs in eyewear. Mark authored <a href="mailto:The Eyeglasses Buying Guide">The Eyeglasses Buying Guide</a>, the most comprehensive and best-selling glasses buying guide in the world.

Bio LinkedIn Blog Facebook

#### **Customer Support**

- Contact Us
- <u>Shipping</u>
- <u>Shipping International</u>
- Returns
- Order Tracking
- Store Locator
- Eye Doctor Near Me

#### **Give Back Vision**

- Buy One Give One
- PiWear

#### **How To Buy Glasses Online**

• Eyeglasses Buying Guide

- How To Submit your RX
- How To Use Your Insurance
- Online Eye Exam
- Coupons and Promotions
- Amazon Echo Glasses
- Crystal Vision Lenses

#### **Vision Magazine**

- Blue Light: Fact And Fiction
- Low Vision: Causes and Treatments
- Preventing Digital Eye Strain in Children/Teens
- <u>Progressive Lenses: Common Problems</u>
- Prescription Sunglasses or Photochromic Lenses?

#### **About Us**

- Our Stores
- Reviews
- Affiliate Program
- Press
- This is fantastic! Watch The Video

#### **Connect With Us**

Phone 1-888-896-3885

- •
- \_
- •
- .

#### **Our Newsletter**

Enter your email Subscribe

#### **How To Buy Glasses Online**

- Eyeglasses Buying Guide
- How To Submit your RX
- Coupons and Promotions
- Amazon Echo Glasses
- Crystal Vision Lenses

#### **Vision Magazine**

- Blue Light: Fact And Fiction
- Low Vision: Causes and Treatments
- Preventing Digital Eye Strain in Children/Teens
- <u>Progressive Lenses: Common Problems</u>
- Prescription Sunglasses or Photochromic Lenses?

#### **Give Back Vision**

- Buy One Give One
- PiWear

#### **Customer Support**

- Contact Us
- <u>Shipping</u>
- Shipping International
- Returns
- Order Tracking
- Store Locator
- Eye Doctor Near Me
- Terms of Use
- Security and Privacy

#### **About Us**

- Reviews
- Affiliate Program
- Press

This is fantastic! - Watch The Video

#### **Connect With Us**

- •
- •
- •
- •

#### **Our Newsletter**

Enter your email Subscribe

#### FREE SHIPPING Us and International

US, Australia, Austria, Belgium, Canada, Denmark, France, Germany, Hong Kong, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, United Kingdom

Copyright ® 2024 Eyeglasses.com | Accessibility Statement | Terms of Use | Security and Privacy

#### **Our Stores**



#### Westport

Eyeglasses.com: Designer Frames, Prescription Glasses, and Sunglasses See you soon!

Need more help, expert advice, and a personalized discount?

#### **Chat Email**

Join us!

Receive the latest, greatest updates & personalized promotions.

Your Email Address

Join

Eyeglasses.com: Designer Frames, Prescription Glasses, and Sunglass
Before You Go
Here's a 15% off discount code
just for you!
Join us!
Receive the latest, greatest updates & personalized promotions.
Your Email Address
Join

Processing...