



Lifestyle + Fashion Oct 16, 2017

## Hot Trend: Colored Lenses

### How to go color crazy with shaded lenses

**Colored or shaded lenses have been on the market for quite some time. Fashion trends drive this product and the available palette covers an impressive spectrum. This article provides insights into how you will find your way through the color jungle at your eye care professional's office while making the best choice for your eyes – in particular when it comes to protection from UV rays.**

In addition to choosing your favorite frames, you can also personalize your glasses by adding colored lenses. Ultimately, a pair of glasses is also a fashion accessory that emphasizes the personal style of the wearer. The name of the game: Look good and enjoy excellent vision. Carl Zeiss will tint your lenses in the latest fashion colors – you can choose just one or two colors, or go for a variegated look. Before you make your selection, you should consult your eye care professional to determine on which occasions you will be wearing your colored lens glasses. Will they be used as sunglasses only, or will you wear them daily, or only during special activities?

Your eye care professional offers a wide variety of color samples in all kinds of shades. Use them to test the colors and make a smart decision. You can also have your lenses tinted based on your individual instructions and color samples – for instance a fabric color swatch you bring in.

The filtering effects of slightly shaded lenses makes the light in artificially illuminated places easier on the eyes and also gives you an opportunity to make your own fashion statement.

## The ZEISS Online Vision Check

How well do you see contrast and colors? Check

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## Some hints for your selection of colored lenses:

When you are choosing a color for your lenses, less can certainly be more. If you want to wear the shaded glasses frequently, the shading should be minimal, so that the people you interact with can still see your eyes clearly. When choosing the color, women should wear their usual eye makeup and select a coordinating shade. Also take into account the clothing you tend to wear the most. Your eye care professional will then be able to present a matching color selection for your glasses from his or her collection.

The trend favors especially yellow, rose or blue hues. However, if you are planning to use your glasses as sunglasses, you will have to make your choice with great care, because not all lenses provide adequate protection from the sun, and most especially from UV rays. Some may even cause damage. Whenever you wear sunglasses, your pupils expand completely and are therefore not as well protected. Make sure you choose glasses that filter [UV rays](#). Glasses that reduce the light by more than 30% provide 100 % solar UV protection. Important: The color or intensity of the shading do not indicate the level of UV protection; the only reliable indicator is the CE label. As a rule, all sunglasses sold by eye care professional are CE certified and therefore UV protection compatible.

Besides UV ray protection, you will have to pay attention to a second protection factor. Within the light color spectrum, blue light causes the most severe damage to the eye. It attacks the eye where its sharpest visual power originates. Moreover, it can cause diffused light, which reduces the level of contrast. Good sunglasses have to provide UV ray as well as blue light protection.

If you have misgivings about your current sunglasses, your eye care professional can help you by measuring their UV protection and blue light penetration levels. He or she can also check the visual quality of glasses on site. You can also perform an initial check at home: Raise your glasses up in a straight horizontal line and move them back and forth. If your sunglasses are of good quality, the line should not be distorted. However, this test only works with non-prescription sunglasses.

## How can plastic lenses be more colorful than glass lenses?

Glass lenses are tinted by steaming absorbing layers onto them. These thin layers consist of metal or metal oxide compositions and are heated to specific high temperatures. They also feature high natural refractivity and their degree of reflection increases. Consequently, the layers are steamed on in multiple steps so as to maintain the required properties of the glass. Therefore, glass lenses are available in brown hues of different absorption levels – and as a standard feature they always have a gold anti-reflection coating on the back.

The shading of plastic lenses is achieved by immersing the lenses into color solutions. Plastic lenses can thus be dyed virtually any color.

### My Vision Profile

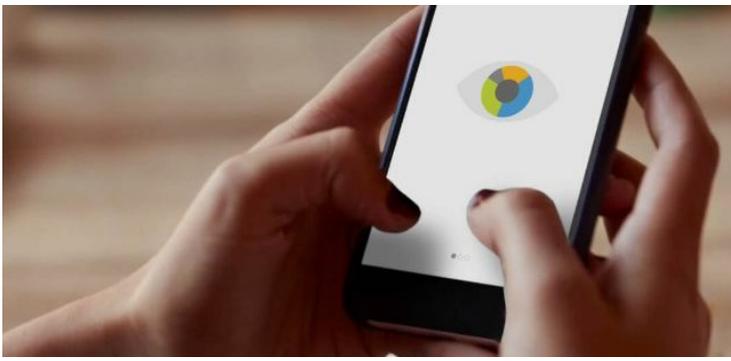
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