

Colour Correction Lenses

(also called as Dyslexia lenses or X Chrome lenses)

(Therapeutic) Soft Contact Lenses

A red contact lens, of peak transmission 595 nm, or a green contact lens worn in one eye only (monocular use) was recommended by La Bissoniere, as long ago as 1974, in an attempt to overcome certain red-green colour deficiencies and enhance colour discrimination, by allowing a comparison of the different contrasts then perceived by the two eyes.

Generally recognized as the X-Chrome lens (a brand name given to the lens), gives rise to a different perception, during binocular viewing, of hues, altering their saturation or brightness, or imparting a luster, and the wearer learns to relate that appearance to a particular colour.

It takes some time to adapt to the situation but it is reported as being very successful. During the initial stages of wear, until adaptation has taken place, there may be some disorientation of depth judgment, which should be pointed out to patients for reasons of safety.

Ciuffreda reported in 1980 on the Pulfrich effect elicited when subjects first wore the lens in one eye, being equivalent to the effect of a 0.57 neutral density filter or 27% light transmission.

The lenses are available either of PMMA material or of high water (75%) soft lens material.

Soft lenses are also available with a brown iris and colour correction pupil, with or without power.



X Chrome Contact Lens is a red contact lens worn in one eye and is used to overcome red-green colour vision deficiencies. This allows the patient to compare different contrasts between the two eyes.

These lenses are traditionally manufactured in a soft contact lens and at Ali's Eye Care Clinic there are certain tests we use to evaluate if the X chrome lens is suitable for the patient.

Contact lenses are a good option for many individuals such as a natural field of view patient with active lifestyle and compared to spectacles generally offer better sight. The initial examination for contact lenses requires more time and follow up visits at Ali's Eye Care Clinic are designed to maintain eye health.

For a patient to be a successful contact lens wearer proper cleaning and storage of the contact lenses, follow the wear schedule given by your Optometrist and have regular follow-up care as directed by your optometrist.

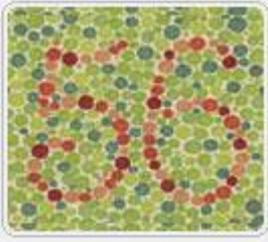
Lenses for colour deficiency

Colour deficiency is a condition characterized by colour confusion and the inability to discriminate certain colours. Approximately 8% of males and 0.5% of females in North America have some form of colour deficiency.

Their altered colour perception is due to a malfunction in the retina of the trichromatic-three-receptor colour (red, green, and blue) vision system.



In nearly all cases a more appropriate term to use would be colour deficiency because the anomaly does not produce a total absence of colour perception, but rather, the inability to discriminate between specific chromatic (colour) stimuli.



For many years, the “X-chrome” lens (thus named because the gene that causes the problem is carried on the X chromosome) has been used to improve colour discrimination in affected individuals. This lens is a red contact lens that is worn in the non-dominant eye. Its principle is to create what is referred to as retinal rivalry, which results in the brain being able to better distinguish between shades of colour.

Who needs colour vision enhancement lenses?

If you suffer from inherited or acquired colour deficiency or colour deficiency, X-chrome lenses can help you. The lenses may help individuals with defective colour vision in occupational fields as diverse as law enforcement, the electronic and computer industries, graphic and fine arts, textiles, transportation and scientific fields. For children and adults, the lenses will eliminate many of the academic challenges that arise when colour deficient students are faced with colour-coded learning and teaching materials. In addition, these lenses are ideal for colourblind people who want to improve the quality of many recreational activities.

Who is suitable for X-chrome or ChromaGen lenses?

Ali’s Eye Care Clinic only one of a handful of practices in India to provide these colour vision enhancement systems to their patients. As in all areas of our practice, we embrace cutting edge technology to provide our patients with the best care possible.

Our lenses are made with Advance technology colour correction filter which once you wear, it’s difficult to be identified, and you will be able to read all plates in ishihara’s book too.

Cost of Lens: Rs 2700/- INR per lens (Rs 5400 INR for two lens/one pair)

If you are ordering outside Mumbai, you should provide Keratometry test reading along with exact type of Colour Vision Deficiency you have which needs to be done from nearest Optometry or Ophthalmology Clinic or to simplify visit us personally in our Mumbai clinic and get trial of Our Advance Colour Correction X chrome lenses.

Courier charges Extra Rs 250/- (anywhere in India, outside India (foreign countries) please confirm courier charges with us before transferring money)

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