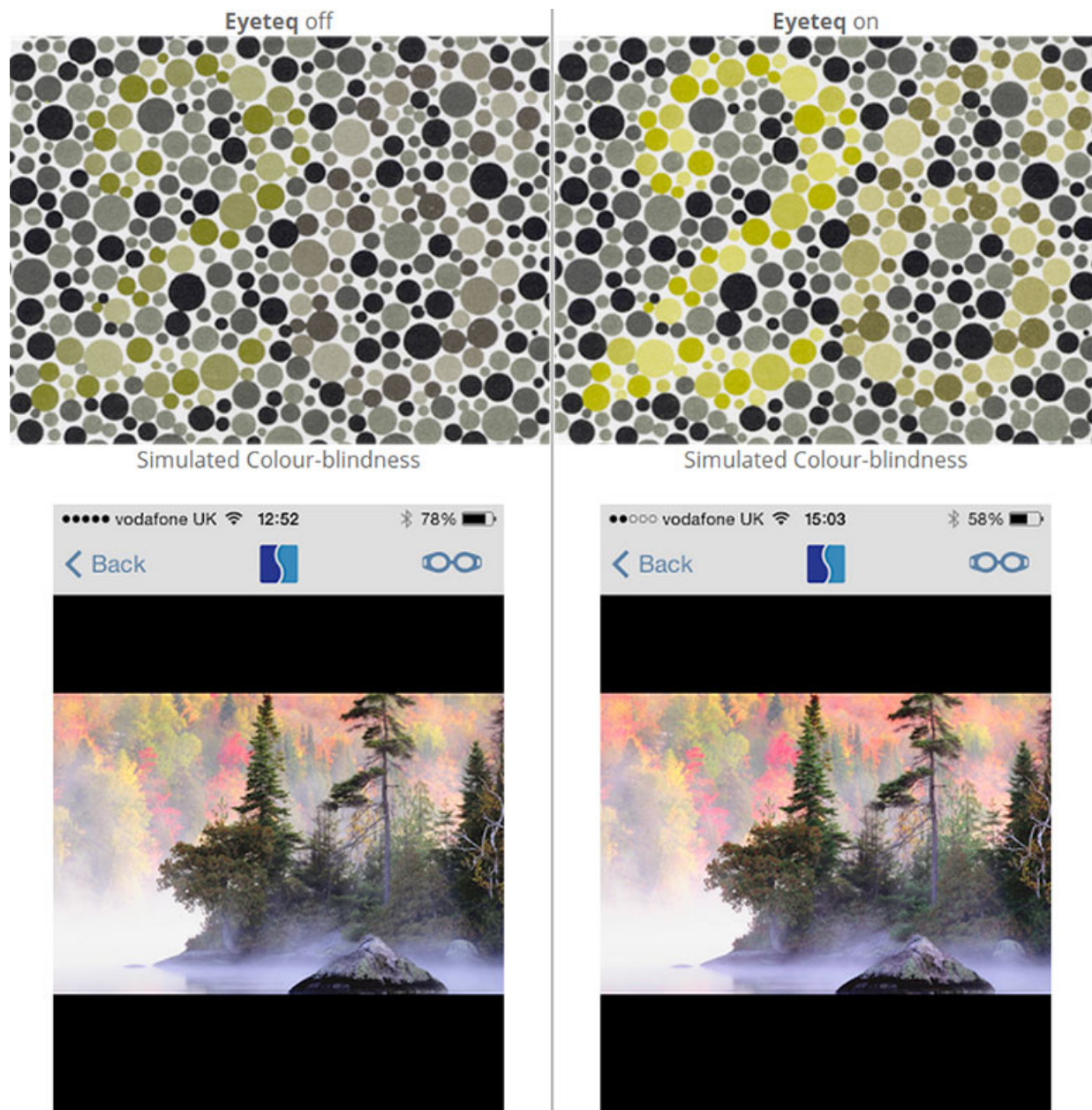


Spectral Edge joins with STMicroelectronics to offer TV for those who are colorblind

September 11 2015, by Bob Yirka



Spectral Edge, an image processing company (started by researchers with the University of East Anglia in the U.K) has announced that it has integrated its technology into a chipset with STMicroelectronics 'Cannes' set-top-box, offering customers with colorblindness an improved viewing performance. The new technology is called Eyeteq— Spectral Edge was created as a spin-off to market the technology to TV makers.

Approximately 250 million people, 4 percent of the world's population, are colorblind (8 percent of men) to some extent, with the majority having difficulty distinguishing between red and green—most see them both as a shade of grey. The [new technology](#) does not change that, instead, it makes subtle changes to the image to make the two shades of grey shown distinguishable by those with [color blindness](#). Spectral Edge is, of course, hoping to integrate the technology into other set top boxes as well, perhaps making it a standard option on future television screens. That could happen, because the changes that are made to assist colorblind viewers are not evident to those without colorblindness—thus, families, friends, etc. could watch the same programs together, with both getting the most benefit.

The technology works by operating on individual screen images, grabbing, fixing them, and then sending them to the screen—all quickly enough so that the person viewing the screen is unaware that it is occurring. The company has been working on the technology for several years but has just recently integrated it into a chipset, one that also comes with setup software that allows users to adjust the kind and amount of fixing that is performed, customizing it for their own vision abilities. Spectral Edge reps, in speaking to the press, claimed that

virtually every colorblind test volunteer reported back that the viewing experience was much improved with the new technology. They added that customers would likely see the most improvement when watching sports or nature shows where color differentiation is an important part of a presentation.

Spectral Edge will be giving a demonstration of its technology at the entertainment and content expo, IBC 2015, being held next week in the The Netherlands.

More information: www.spectraledge.co.uk/

eyeteq.spectraledge.co.uk/try-it

[www.realwire.com/releases/Spec ... colour-blind-viewers](http://www.realwire.com/releases/Spec...colour-blind-viewers)

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