
Subject: update on video conversions
Posted by [jhs](#) on Fri, 21 Mar 1986 07:17:59 GMT
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I had a talk with my video expert cousin, John Hain, and learned some facts of interest to those contemplating conversion projects.

(NOTE: This is my first login from home on my Atari 800XL, so if anything looks strange please bear with me.)

The most important new information I got (oops) got was that generating RGB from composite is doomed to lower resolution than a good RGB monitor is capable of providing. That's the bad news. The good news is that if the luminance and chroma signals are available separately, then you can get darn near the full resolution of the best RGB monitor!

Even better, John and a friend of his in Huntsville, where he lives, are already at work building a real circuit to do just that--take the output of an 800 series Atari, which has chroma available separately, and make RGB. The first attempt was partially successful, but they think they will get more accurate color balance and better resolution with a different IC.

After my inquiry, John says he will get back to his friend to see where the project stands right now and see if he can expedite completion of the final design. Probably a complete, TESTED design will result.

RGB to composite can apparently be made essentially as good as the composite monitor can display anyway.

If somebody can start researching the availability of chroma and luminance signals separately in the future, we will know where we stand. Wait a minute...does the ST already put out RGB or composite? Obviously it is too late at night and I should get back to this tomorrow!

-JHS
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