

Re: black 'n white into white 'n black

Source: <http://sci.tech--archive.net/Archive/sci.electronics.design/2005-12/msg03202.html>

- *From:* martin griffith <martingriffith@xxxxxxxxxxxxx>
 - *Date:* Mon, 19 Dec 2005 14:36:11 +0100
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On 19 Dec 2005 05:00:31 -0800, in sci.electronics.design "Cumin' Up" <anani_6@xxxxxxxxxxxxx> wrote:

>I am New in electronic and I would to design a circuit that will
>invert a white paper with black letters into a black paper with white
>letters. With my little knowledge that I get from from electronic
>within my three years in the field of Electronic, I think if I use a
>Camera circuit and modify it with a Class A amplifier i can be able to
>get it, bt I am still struggling to get there. Can somebody help me or
>give me a better idea on how to go on with my project, because this
>project will help people with eyes promblems who cant see black in
>white. Pls Help me my colleagues in the field of electronic

first you need to seperate the video syncs from the video picture

<http://www.national.com/search/search.cgi/main?keywords=lm1881>

see figure 3 in the data sheet. The video is now referenced to ground.
Then use an inverting amplifier, gain of -1, this will turn black to
white .You need a bandwidth of at least 5MHz, Then you can resistively
mix the syncs from the LM1881 with the inverted video to feed the TV

martin
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- *Follow-Ups:*
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◇ *From:* Electric dabbler
- *References:*
 - ◆ **[black 'n white into white 'n black](#)**
◇ *From:* Cumin' Up
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Re: black 'n white into white 'n black

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