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r/OLED_Gaming • 4 yr. ago

D-Tunez



Full/limited RGB on LG CX?

I know you need to have black levels set to low if youre on limited RGB and high at full RGB, but what should I really set my pc/console on?

As I understand it, not everything takes full advantage of full RGB, which leads to inaccurate contrast/colors. And if it does take advantage full RGB and you set it to limited RGB, will you really see the difference if you dont have a side by side with a full RGB display?

I don't want to constantly switch between the modes so do I choose full or limited?



8



26



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PaulJG210 • 4y ago

From my experience, it's best to set your console to limited/standard and set your black level on your tv to low for best picture. I had it set to Full RGB on my Xbox and my black level on my tv to full for a few weeks thinking I getting the best picture that way. But I started noticing the blacks looking more dark gray when gaming and I thought it was the VRR causing raised blacks from the stuff I was reading online. I then tried my John Wick 3 4K blu ray on my Xbox series X and it looked bad. The bottom letter box was gray and not a dark grey but grey. The Picture looked washed out over all. I then switch to Standard/limit on my xbox and set my black level on the tv to low and the picture looked a lot better. The blacks were deep and the colors looked more vibrant.



6



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Playstation 5 (or of course, a stand-alone player).

It's not an issue with colors it's an issue with how the Xbox treats blu-ray playback.

For gaming, you want Full/High RGB. For blu-rays/streaming, you want limited/low. Xbox doesn't differentiate between the two and so the TV doesn't know if you're gaming or watching blu-rays. The PS5 does.

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Just set to auto

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But does the TV access Reddit and get the answer ?

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sur_surly • 4y ago • Edited 4y ago

It's not a simple answer. There are too many factors.

Do you use your PC to only game and normal PC stuff? If so, RGB Full. If you watch Blu-rays on it, it muddies the water and isn't a straightforward answer. If your blu-ray player windows app can convert Limited Ycbcr to Full RGB, you're fine staying with RGB Full.

Also goes for consoles, but answer is a *little* easier. Full RGB will give you the best gaming experience (same as PC). But blu-rays are produced with Limited in mind, so use the Playstation 5 (colors set to Auto) to watch Blu-rays and set the CX to Black Level Auto, and it'll do all the work for you.

And then there's streaming..... so don't use your PC/consoles for it. Chromecast, built-in apps, roku, etc are better so your TV can really separate them.

Vincent goes pretty detailed here: https://www.youtube.com/watch?v=gisqN_UL1CM

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sur_surly • 4y ago

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Depends on the source doesn't it. For example, the PS5 defaults to full RGB so I have my C9 set to black level high since it doesn't have Auto and I just switch the TV to low for limited content such as blu rays.



1



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ProfessorDazzle • 4y ago

Auto is available if you change the input type on the TV to PC. Just learned this recently



2



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Rgb/ycbcr limited/full settings for playback of 4k HDR10 remuxes via mpc-hc/madvr?

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I have a LG CX and shield TV Pro. What are the correct shield settings for content?

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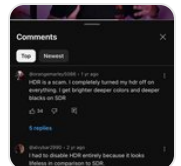
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Lower FPS on fullscreen mode when gaming. On windowed everything is fine.

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