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Who is Guardio? I came across Guardio about a year ago. They're an anti-malware Chrome extension that removes existing threats and prevents new infections from affecting your compu...(Continue reading in feed)

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Another fun fact, CO₂ is absolutely essential to life on earth, it is the one food all living creatures depend so maybe we should give respect where it is due, it is food, not a poison.

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When deciding which work management tool to use, there are several important criteria when selecting the perfect fit for you/your company such as ease of use, customizability, affordability, and scalability. monday.com | [A new way of working](#)  ticks all the boxes with its easy-to-use platform, no-code automations, 200+ ready-made templates, and 72+ integrations, making it the perfect platform for any team, size, or industry.

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...



Related **What is the cause of climate change? Are man made CO2 emissions responsible for climate change?**

This is physics, so the explanation of some interesting puzzle is formulated and then tested and tested and tested.

1. The temperature of the Earth can only be explained by taking into account the atmosphere. A fact known for 200 years. (Fourier)
2. The discovery of IR radiation and it's effect on just a few atmospheric gases. A fact known for 170 years. (Tyndall)
3. The effect of the atmosphere can only be explained by taking into account the greenhouse gases in the atmosphere. A fact suspected and supported by evidence for 130 years. (Arrhenius).
4. As a consequence of previous discoveries, the suspected and then measured increase in global temperatures. A fact known for 80 years. (Callendar)
5. The deduced and then measured increased in atmospheric carbon dioxide. A fact known for 60 years. (Keeling)
6. Final resolution of the remaining issues and technological applications. A fact known for 60 years. (USAF).

Sixty years ago greenhouse gas theory became engineering. Engineers combine the information provided by scientists with their own experience and encapsulate their complex knowledge in calculations. In that way they can reliably design some useful thing that does not fail and kill people in the future. Here are the results of one such "engineering" calculation performed by Wallace Broecker around 1975.

...

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1 of 10 answers



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Also, think about this, when plants thrive, they tend to absorb the light and heat falling on them. This would also have a bit of a cooling effect on the planet. Kill off the plants by suffocating them and you will lose this heat dampening effect.

But also consider this. In the climate alarmism camp has only one thing to support their claims. They have computer models programmed by people that were paid to make them and show a specific outcome. These were funded in large part by the U.N. now, when these models were traced back to test their accuracy they were completely wrong. When we know what the data is and we run a predictive model into the past and that model is completely wrong, why should we believe it is accurate in its prediction on going forward to the future? The logical answer is it cannot. This is all the climate alarmists have, inaccurate predictive models proven to be false. The problem is that these same people run the media and own the politicians around the world and therefore their false agenda is pushed to brainwash the next generation with fear mongering. Logically, there is a coming scorched earth event coming, but it will not be due to green house gases. It will be due to climate alarmists wreaking havoc with their agenda.

Don't take my word for it though. Look at the fact that, as a green house gas, CO2 accounts for less than 4% of the green house gases. Water vapor is the biggest green house gas by far. This has been documented for decades. The problem is that the globalist climate alarmists can't blame water on people so they have to attack something else to get rich off of, and that is carbon dioxide emissions. Pure fear mongering. So, keep cutting out carbon dioxide emissions. You will get your global scorching.

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Ω 192

20

Promoted **What are some good ways to improve English grammar and writing abilities for a non-native speaker?**

Communicating fluently in English is a gradual process, one that takes a lot of practice and time to hone. In the meantime, the [learning process](#) can feel daunting: You want to get your meaning across correctly and smoothly, but putting your ideas into writing comes with the pressure of their feeling more permanent. This is why consistent, tailored suggestions are most helpful for improving your English writing abilities. Seeing [specific writing suggestions](#) based on common grammatical mistakes multilingual speakers make in English is key to improving your communication and English writing fluency. [\(more\)](#)

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How much do humans really contribute to CO2 emissions and climate change? Is it truly enough to be considered a mess that we caused?

What is the cause of climate change? Are man made CO2 emissions responsible for climate change?

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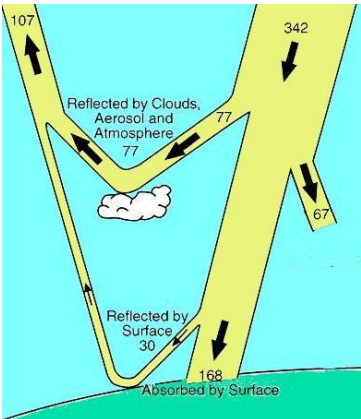
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Earth constantly receives 342 watts/m2 of energy by the sun. That's the average, on the equator it's more, on the poles it's less.

2: Energy absorbed

Of those 342 watts, a total of 235 watts are absorbed, 67 watts by the atmosphere, 168 by the surface, and 77+30 = 107 watts are reflected back into space.



Compared to preindustrial times, Greenhouse gases absorb an additional 2.6 watts/m2. This is called Radiative forcing and this is a phys... (more)

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0.04% of carbon dioxide is plant food, so we are reliably informed. This is of course true.

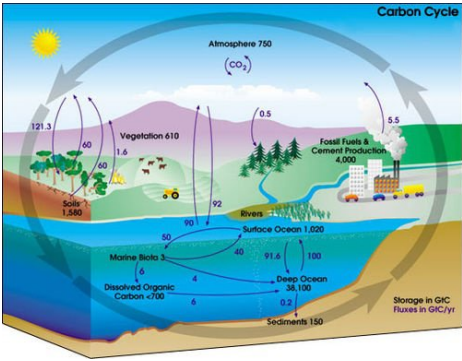
That insignificant amount of carbon dioxide is responsible for the dry weight of the insignificant amount of food each climate denier eats every year. Therefore by climate denier logic, climate deniers eat nothing. It's a miracle!

Then most food is consumed and passes out of the body as waste. A tiny insignificant proportion is retained in the body as dry weight. That means carbon dioxide is responsible for an insignificant proportion of an insignificant amount of a person's body weight. Climate deniers n... (more)

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Related To reduce climate change, is removing CO2 from the air now unavoidable? How is it possible, and where would it be stored or used?

For the greater part, the oceans remove CO2 from the air, and by a path like the bodies of sea plants falling the carbon gets to the deep ocean, and is sequestered by new rock formation. We are overwhelming this process at the moment but getting to net zero emissions is the approximate target necessary not so much as removal. Of course, the more and faster the better.



I recommend you examine the encyclopedia overview, Carbon capture and storage - Wikipedia or another educational source. The possibility is absolutely there, but to develop and scale the technology it is likely to come into being... (more)

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Related Can someone breakdown exactly where all this bad CO2 is coming from (in regards to climate change)?

Fossil fuels are the headline component. Large amounts of geologic formations that would otherwise sequestered carbon have been burned.

A full accounting of all the chemical pathways involving carbon on our life-infested planet would take some time. I will mention that the next headline, a little broad, is human land use (including food).

Carbon is sequestered in the biosphere etc. at the surface, and if it takes to the air is predominantly in the molecule CO2 which is why these terms are used almost interchangeably. CO2 "appearing" in the atmosphere is a matter of how rapidly it could be "dis..." (more)

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Absolutely not

Definitely yes

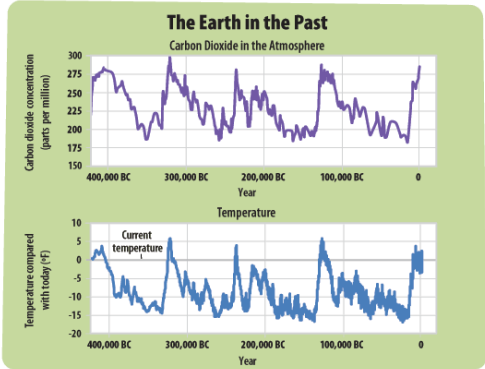
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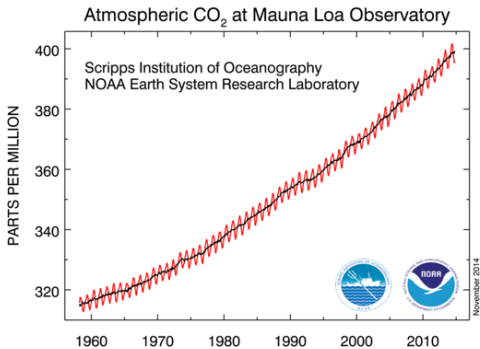
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Related Does climate change depend on CO2 emission?



That is a graph of the estimates of CO2 and temperatures on earth for the last 400,000 years. Notice the pattern in this graph: CO2 concentration and temperature are highly correlated.

This is a graph of the current atmospheric CO2 concentrations from [ESRL Global Monitoring Division](#): [ESRL Global Monitoring Division](#)



Note that this year, we broke CO2 concentration of 400ppm for the first time since the Pliocene (3.6 - 2.2 million years ago). Research suggests that it was about 8C warmer in the summer then than today.

Since we're all good scientists here. We shouldn't assume correlation equals causation; it's a good exercise to ... [\(more\)](#)

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227

42

M.Ec. Economics, Warsaw School of Economics (1978) · Updated 3y

Related Can climate change be reversed?

Yes we can, rapidly.

Most of the people answering that it can't, or that it would take hundreds or thousands of years are focusing mainly on emissions and not the other side of the carbon cycle. Even the few that acknowledged the other side of the carbon cycle, focused mainly on CCS and afforestation. Neither of which is up to the job. So I understand their concerns and don't dispute their numbers, except they are missing something.

Recent advancements in the biological sciences have discovered a biochemical pathway that we have been missing for well over 100 years. This is the way the biosphere... [\(more\)](#)

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1

Related Could elevated CO2 in the atmosphere be a symptom of climate change and not the cause?

If we work on that assumption, then all sorts of questions start cropping up. Firstly, why is there less carbon-14 in the atmosphere proportionally? Carbon-14 is incredibly rare in nature, yet has a long decay rate so natural sources' emissions of the isotope are long lasting, while there is no carbon-14 in the emissions of fossil fuels, so it's pretty clear that humans are a major source of many carbon emissions when we do isotope tracking and see natural isotopic ratios changing. Is it plausible that increased human emissions throwing off that balance is entirely caused by climate change? No... [\(more\)](#)

Upvote · 280

89

12

Related Why wouldn't humanity survive climate change?

Realistically, even if there was a 20-degree C increase in temperature, and a 60 metre rise in sea level, humans would still be alive in most of Canada, including Quebec, Ontario, plausibly bordering areas in Minnesota, and the southern shores of the Great Lakes in the US, Greenland, Russia, Alaska, Argentina, the mountainous areas of New Zealand, Scandinavia, the Alps, the Andes, and the US Rockies.







The problem is, even with a 4 degree C increase in temperature, half of the world's population would be under so much heat stress that they would simply die without air conditioning. Even while asl... [\(more\)](#)



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How does climate affect human activity?

Originally Answered: How climate affects human activity?
Well, when it's -40 outside you tend to stay inside.

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Absolutely not


Definitely yes

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 3

 2



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Is methane a bigger threat than CO2 in climate change?


- Methane (CH4) is a hydrocarbon that is a primary component of natural gas. Methane is also a greenhouse gas (GHG), so its presence in the atmosphere affects the earth's temperature and climate system.-


- Methane is emitted from a variety of anthropogenic (human-influenced) and natural sources. Anthropogenic emission sources include landfills, oil and natural gas systems, agricultural activities, coal mining, stationary and mobile combustion, wastewater treatment, and certain industrial processes.


- Methane is more than 25 times as potent as carbon dioxide at trapping heat in the atmosphere. Ov... [\(more\)](#)

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Certainly not. There are huge amounts in terms of its impact on global warming and subsequent changes to the climate

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Related


Is extracting CO2 from the air an effective way to combat climate change?


The problem is that industrial CO2 extraction - and the materials and infrastructure to do that extraction - takes *energy* - which makes extraction very impractical at the scale required.


After all, why devote massive amounts of energy toward extraction, when simply cutting back energy use in general likely would reduce CO2 even more - almost for free?


For pulling CO2 we need to use a system that is *already* designed to do this, takes almost no infrastructure and uses only solar energy for fuel: plants. Indeed a recent report suggests that planting a *LOT* of trees could have the best and biggest im... [\(more\)](#)

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 5






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Is it true that there is no hard evidence that CO2 is causing climate change?

Err... what?

[Earth Temperature Timeline](#) 


There, simple graph. Needs some scrolling because it starts waaaaay back but seriously: NO!


Carbon Dioxide is a scientifically proven greenhouse gas (yes, it is named thus because there are actual greenhouses using it to improve plant growth) and the rising levels of it are a mayor factor in the global rising temperature.


And if you don't trust scientists: Why?


Science is the method of systematically and carefully observing nature and using consistent logic to come to a repeatable result. There's not much you can't agree with in that approach. I mean, apart fro... [\(more\)](#)

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 1






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Most of our climate efforts involve reducing CO2 output. Why is there comparatively little talk about removing CO2? What's stopping us?

Mike... surely you are aware of the many media conversations about industrial direct air capture and long term geological burial of CO2 taken from the Earth's atmosphere? It is deemed necessary because reducing our CO2 output takes no CO2 out. Those efforts are plagued with problems, not the least of which is their combined inability to take enough CO2 out to have any effect on the climate. The other big problem is the energy required...


Best Carbon Capture Facility In World Emits 25 Times More CO2 Than Sequestered


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... [\(more\)](#)

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Why does climate change matter?

Look at this:

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<https://www.quora.com/Is-there-just-too-little-CO2-to-matter-for-climate-change>






6/10



Let me walk you through some lighter consequences:
1. Do you wish to see your children die hungry ? Okay, you are a well-to-do family and might never have seen famines. Do you wish to see poor people die hungry in you streets ? Because with increasing population and decreasing cultivable land and crop failure due to climate change, and with not much attention being given to increase efficiency of agriculture we are bound to fall short of food.








2. Would you like it if as you step out of your air-conditioned house, you face sunburns ? Because with this much of greenhouse gases, me... [\(more\)](#)

 Upvote · 16   2  1 

Related **What is the amount of CO2 needed to cause climate change?**

If you are a dyed in the wool believer you should stop reading right here. You do not need this seed of doubt in your mind. The other members of the Church of Climate will sense something wrong with the force and put you on notice immediately. Belief in the human caused climate change story takes a lot of steady reinforcement much like going to church once a week. You must avert your gaze if you come across any climate change blasphemy, you do not want to upset any of the new Globalist overlords.

CO2 is a net benefit to the planet, it is the most important gas for sustaining life and helps to o... [\(more\)](#)

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HuffPost and Forbes · 5y

Related **Is global warming a bad thing for humanity?**

Is global warming a bad thing for humanity? Probably, but I'm not sure. I will put my scientific reputation behind the following conclusions: global warming is real, about 1.5 C in the last 250 years, and it was caused by human emission of greenhouse gases. I state that with confidence and assurance because of several years of hard and careful work put out by me and my colleagues at BerkeleyEarth.org.

Is it bad? Probably. Deciding its impacts on humans requires knowledge and expertise far outside of physics, my field. In fact, I don't know of anyone I trust with the answer.


I think it will be ba... [\(more\)](#)


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Related **What will happen if the carbon dioxide content of atmosphere is as high as 300 parts per million?**

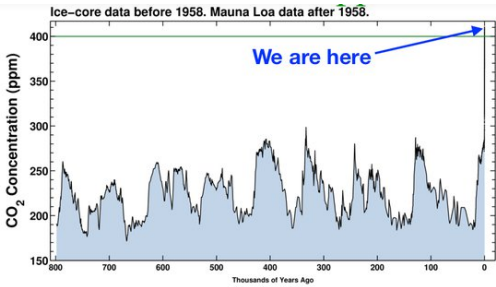
Its 409 ppm now.

We humans release 37 billion tonnes of CO2 every year. How can such a "small" amount be important? The point is this: How much % CO2 is of the already very tiny atmosphere is a comparison that does not mean that much. Only the greenhouse gases can capture heat radiation. The rest of the atmosphere contributes to just taking over heat from CO2, water vapor and co.

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CO2 ppm in 1850: 280
CO2 ppm in 2018: 409
409 - 280 = 129
(129 / 280) * 100 = 46 %
That's a 46% increase of CO2 because of us, which means 31,5% of the atmosphere CO2 is from humans.
(129 / 409) * 100=31,5%
Although percen... [\(more\)](#)

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Related **Is climate change really just about CO2 management?**
Originally Answered: Is "climate change" really just about CO2 management?
You are kind of missing the point, I think.

It wouldn't matter if CO2 levels in the atmosphere were changing if there no implications of that change such as sea level rise, ocean acidification, species impact, drought and the like.

It wouldn't matter if the average global temperature was rising if this didn't have implications for melting ice currently supported by rock and raising sea levels rapidly.

Climate change -- specifically rapid climate change induced by humans -- is all about the negative implications. Species can't adapt fast enough. Human infrastructure and living patterns are going t... [\(more\)](#)

Upvote · 16 · 39 · 2

Well ... just back it out, and then decide for yourself if there is too little.

- According to SCIENCE and the IPCC (that government body obsessed with Climate Change), a doubling of CO2 equates to 1C warming.
- According to SCIENCE, the black body temp of earth should be 255K, but it actually is 288K, meaning the earth is 33K (33C) warmer than it should be.

SO ... the current CO2 concentration is about 420 ppm, so let's back it out.

- 420/2 = 210 ppm at 32C
- 210/2 = 105 ppm at 31C (at this point most plant life dies)
- 105/2 = 52.5 ppm at 30C (at this point all plant life is long dead and gone).
- 52/2 = 26 ppm at

... [\(more\)](#)

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Related **Do you think we're doing too little too late to combat climate change?**
Climate Change / Global Warming is a hoax. Yes climate changes. Climate has been changing long before humans had factories and cars. Much of the CO2 hype started from a famous paper that predicted a "hockey stick" shaped graph from a computer model. In a recent court case the author of the model refused to provide any assumptions used to back the claim. In short no evidence was provided and predictions in any case have often proved completely wrong. Water vapor provides most of our greenhouse gas warming. No one seems to be protesting against water.

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2022) · 4y

Related **How much does man-made CO2 affect climate change when it comprises only .12% of the atmosphere?**
This sounds suspiciously like the Koch Brothers' "trace gas" argument against CO2 influencing climate.

But there are sound reasons for it! Diatomic molecules, such as N2 and O2, pass visible light and infrared radiation similarly, whereas triatomic molecules, like CO2 and H2O, pass visible light, but reflect infrared radiation. (Molecules with more atoms, such as CH4, or methane, have even more of an effect.)


Visible light is absorbed by the land and sea, and re-radiated as infrared radiation, which is trapped very effectively by triatomic molecules. If you need "proof," just look at Venus, whic... [\(more\)](#)

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Related **What is the best and most effective plan to stop climate change?**
The best plan is to get your elected representatives on board to do something about it.

Scientists have come up with *numerous* possible plans for years for how to combat climate

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multiple times over. However, political action to roll through with any of these plans has so far been too little too late. Some scientists are beginning to think that we're going to let climate change get out of hand and that we'll have to ... [\(more\)](#)

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Related **In a percentage, how much would world CO2 emissions have to drop to avoid climate change?**

You must understand that 99% of the population couldn't care less where energy comes from, as long as it furnishes the power when they need it. Most people don't even think about or couldn't care less about so-called global warming or climate change. The next time you hear someone say "We are addicted to oil" or "We are addicted to coal," try this: Substitute the word "prosperity" for "oil" or "coal."

Americans live in a world of energy abundance with access to cheap fuels that their counterparts in places like South Africa, Sudan, Laos, Afghanistan, Vietnam and Pakistan can only dream of. I s... [\(more\)](#)

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Related **Does the increase in CO2 levels cause climate change?**

As can be seen from the following plot of global mean surface temperature (GMST) against rising CO2, the evidence for any causal connection only became very obvious since about 1980.

Prior to 1980, GMST had so many other influences that it was impossible to see any such connection.

However by subtracting from GMST the estimated contribution of the slower fluctuations in Total Solar Irradiance, which rose strongly during the first half of the 20th century, and then filtering out frequencies with periods of 65 years or less, what remains of GMST since 1850 looks much smoother, namely the red curve... [\(more\)](#)

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Related **What are CO2 equivalent emissions and how do they relate to climate change?**

Different greenhouse gases (GHG) have a different warming effect. CO_2 equivalence is an attempt to simplify that so that everything can be treated on the same scale. It isn't perfect because different gases affect different parts of the spectrum, have different atmospheric lifetimes and potentially other side-effects. Anyway, CO_2 equivalence is normally given using GWP at 100 years which is the amount of warming over a 100 years relative to the amount of warming for the same mass of CO_2 .

[Carbon dioxide equivalent - Wikipedia](#)

[Global warming potential - Wikipedia](#)

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Are climate scientists grossly oversimplifying and exaggerating the effect of CO₂ on climate change?



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