

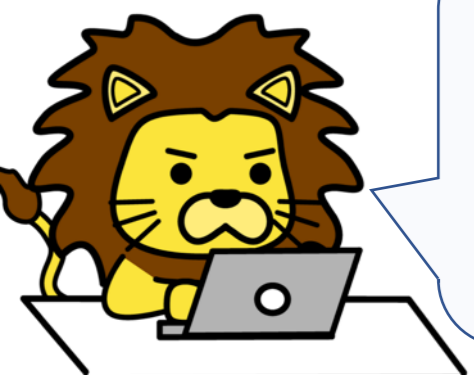
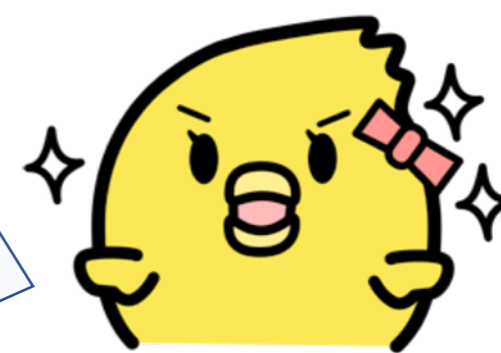
リスニング効率爆上げ！

YouTube × クローム

拡張機能

コロンビア大学
英語教授法修士

TOEIC990点満点
英検1級





この動画の概要

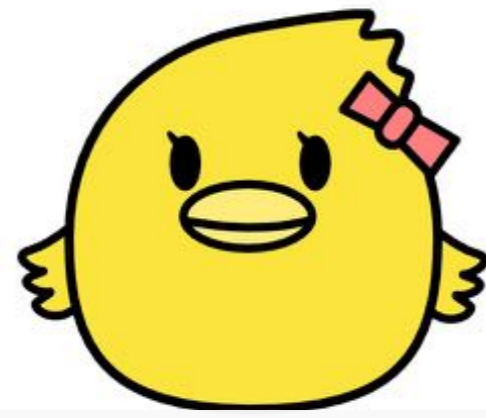
1. LLYとは：
Language Learning with YouTube

2. LLYのデモ

3. LLY拡張機能をYouTubeへ追加するやり方

4. YouTube上での基本操作・設定

5. ショートコードこれだけ解説



LLYの実際の画面

$G_{\mu\nu} = 8\pi G(T_{\mu\nu} + P\Lambda g_{\mu\nu})$

$|\psi(t)\rangle = U(t)|\psi(0)\rangle$

$i^2 = -1$

$dS \geq 0$

$V = E + F = 2$

$S(\lambda) = -Tr(\log \rho)$

$F = G \frac{m_1 m_2}{r^2}$

$\hbar \frac{\partial \rho}{\partial t} = -i[H, \rho] + \sum_k (A_k \rho - \rho A_k) - \frac{i}{\hbar} (\rho H - H \rho)$

This means we have to nix all our laws of physics, throwing out a lot of stuff

physics: 物理学, 物理, 物性
それらの新しい物理法則がどのように見えるか、またはそれが私たちにとって何を意味するかは、誰にもわかりません。

Subtitles Saved Items

we need absolutes.

How could we solve this paradox?

There are a few possibilities.

1) Information is lost.
Irretrievably and forever.

This means we have to nix all our laws of physics, throwing out a lot of stuff

that's worked very well so far and to start from scratch

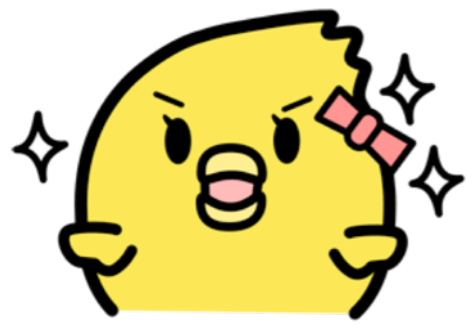
What those new laws of physics would look like, or what that means for us, nobody knows.

This is a little frightening, but also kind of exciting.

2) Information is hidden.

Maybe a little part of the black hole splits off and forms a baby universe.

The information would be transferred into this new weird place, where we could never observe or interact with it.



LLYとは

1. 字幕が画面右側の字幕バーで一括表示できる

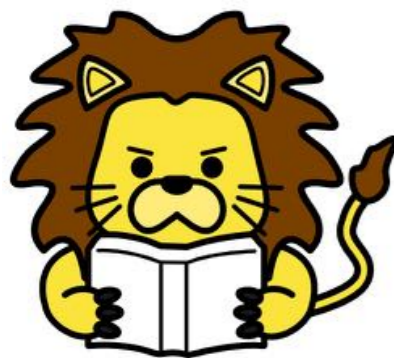
2. 字幕の英単語にカーソルを合わせるだけで
単語の意味が表示される

3. 字幕の文にカーソルを合わせるだけで
文の意味が表示される

4. 巻き戻し・早送り・リピートが超効率的に行える

5. 英語字幕と日本語字幕同時再生も可能





Chrome ウェブストアにいき、左上の検索バーに
Language Learning with YouTube と入力。
クリックすると詳細が表示される。

chrome ウェブストア



learning lang... x

拡張機能

その他の拡張機能

ホーム

拡張機能

テーマ

機能

オフラインで実行

By Google

無料



Language Learning with Youtube BETA

提供元: Dioco

Improve your skills on your own, effectively and enjoyably

★★★★★ 32 評価

Chrome に追加

Translator



「Chrome に追加」をクリック

ホーム > 拡張機能 > Language Learning with Youtube BETA



Language Learning with Youtube BETA

Chrome に追加

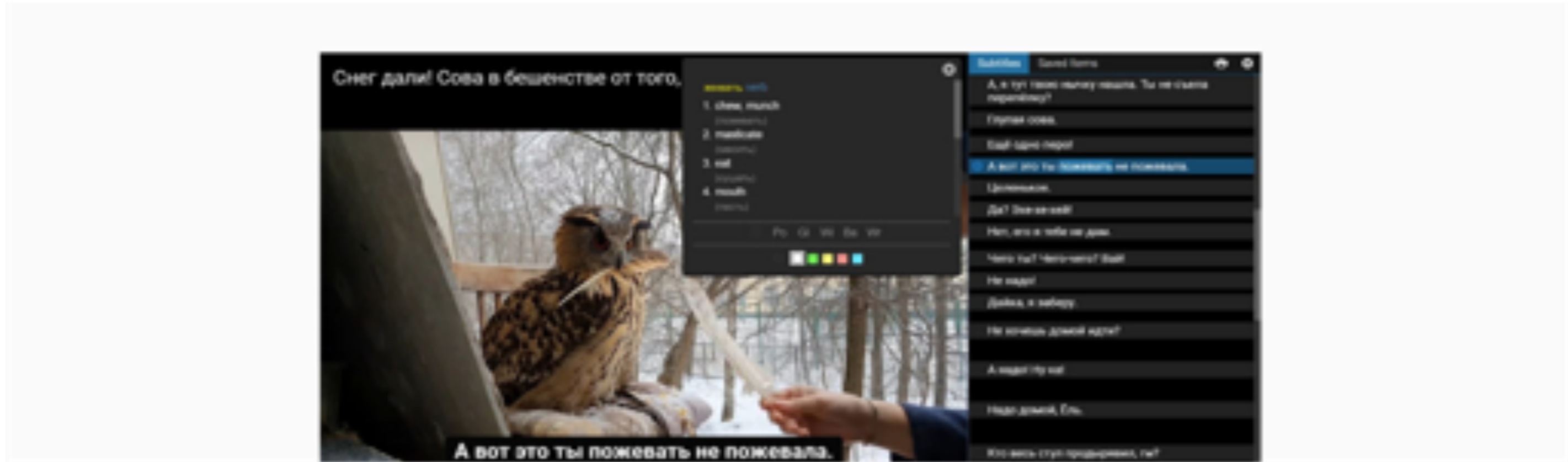
提供元: Dioco

★★★★★ 32 | 娯楽 | ユーザー数: 100,000+ 人

概要

レビュー

関連アイテム





How to use LLY にアクセスし、**インストラクション**を
読もう！5分で読めるよ！

How to use LLY



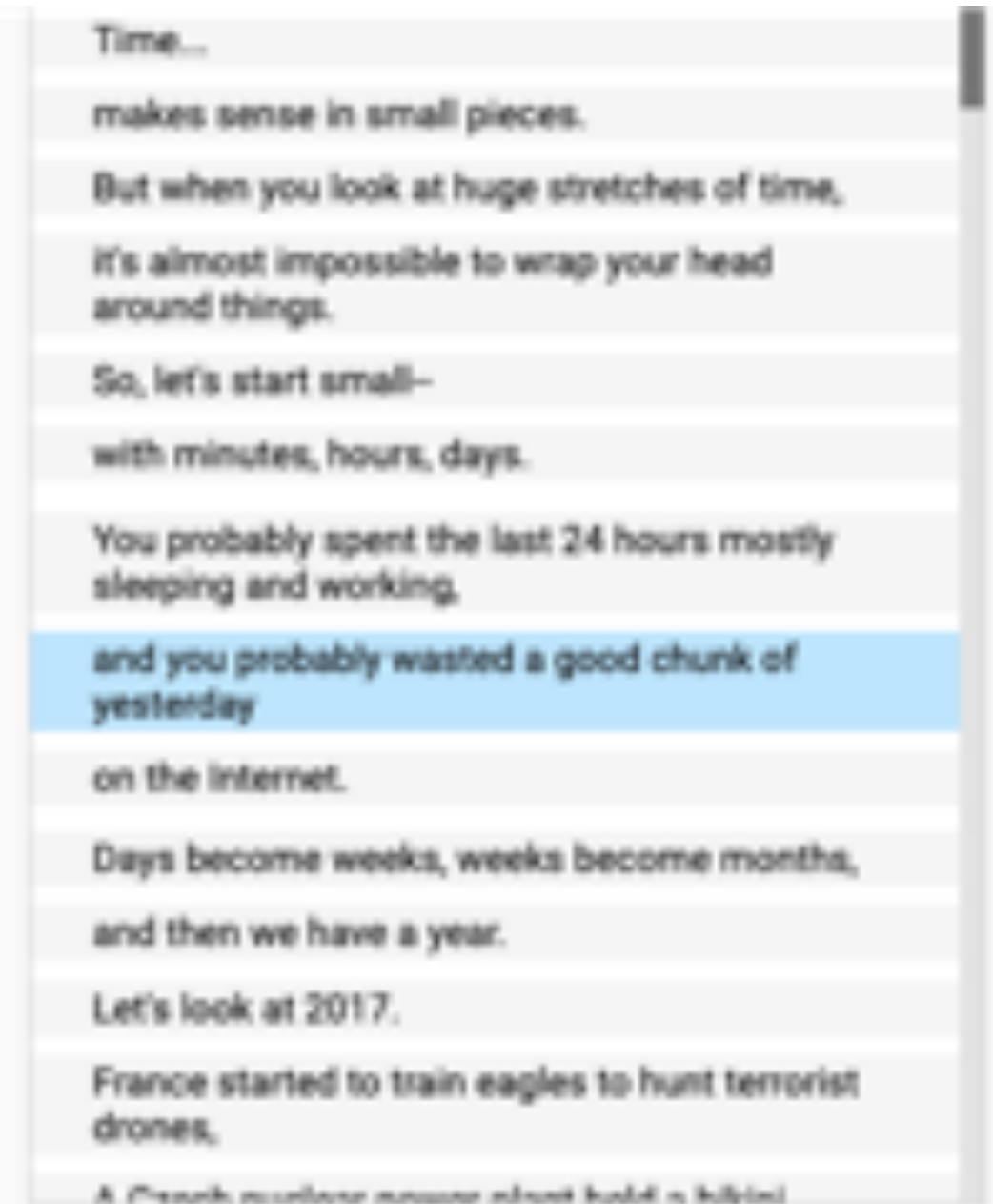
How to find videos

Youtube has videos on any topic, in all major languages. However, Youtube tries to hide foreign content from you. 🙄 So, we made these extra buttons next to the search bar on Youtube:






LLY – Turn on / off が選べるので on になっていることを確認しよう



Time: The History & Future of Everything – Remastered

6,989,744 回視聴 - 2018/04/08

👍 29万 🗣️ 4308 ➡️ 共有 📌 保存 ...

 Kuragesagt - In a Nutshell
チャンネル登録者数 1250万人

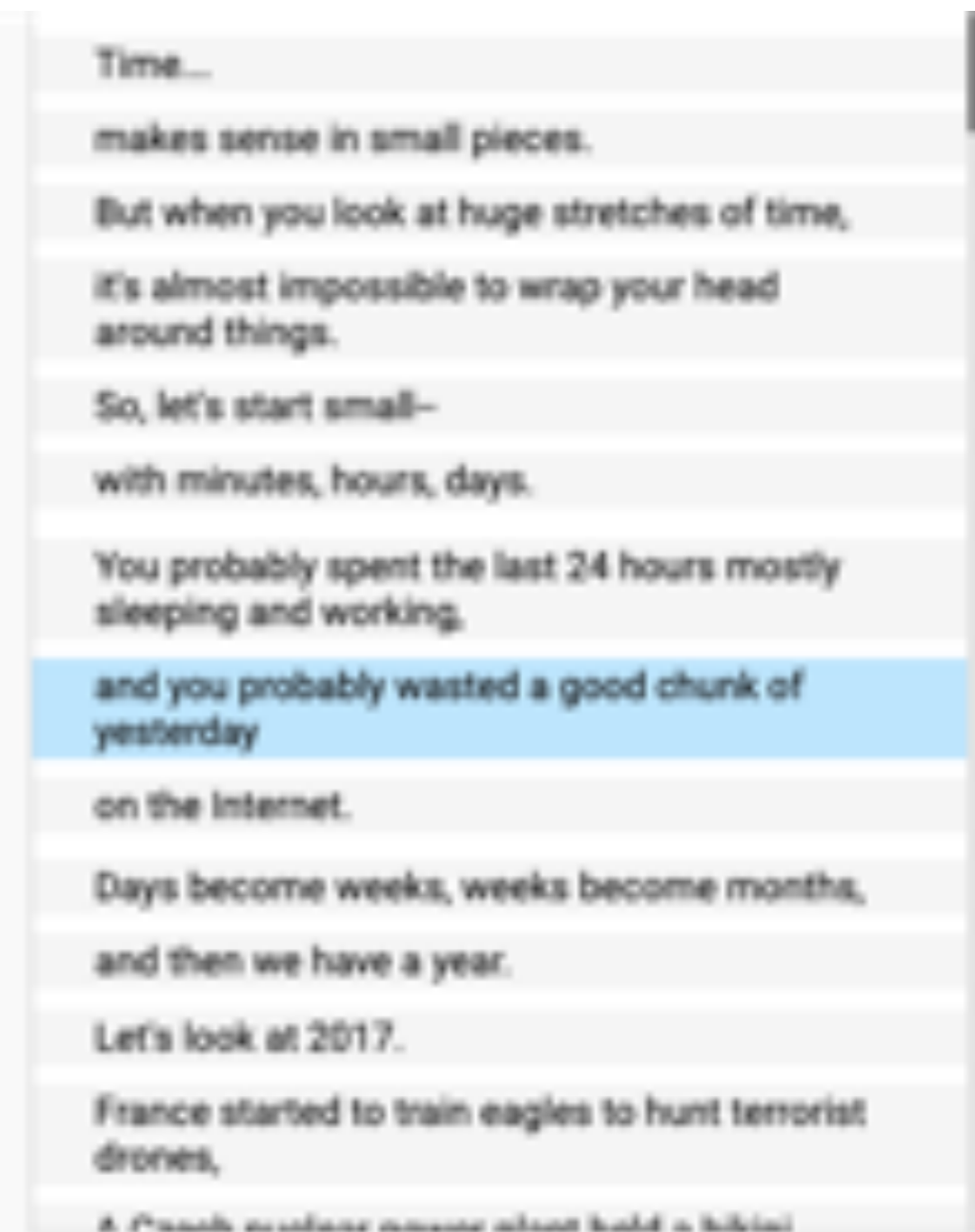
登録済み 🔔

次の動画 自動再生





字幕オンになっているか確認しよう！オンになっていないと右側の字幕バーに英文が表示されないよ！



Time: The History & Future of Everything - Remastered

6,989,744 回視聴 - 2016/04/08

👍 2975 📖 4388 ➔ 共有 📺 689 ...

次の動画

自動再生





LLY – Settings をクリックして設定を開こう



It might change shape,
but it can never be lost: for example if you burn a piece of paper, you get ash.
That ash will never become paper again.
But, if you were able to carefully collect every single carbon atom in the ash, and measured the exact properties of the smoke and heat radiating from the fire, you could, in theory reconstruct the paper.
The information of the paper is still in the universe. It's not lost, it's just hard to read.
If you could somehow measure every single atom and particle and wave of radiation in the universe, you could see and track every bit of information there is.
Hypothetically, you could see the entire history of the universe right back to the Big Bang.

Why Black Holes Could Delete The Universe – The Information Paradox

18,945,935 回視聴 - 2017/08/24

👍 38万 🗣️ 7466 ➡️ 共有 📺 保存 ...

 Kurzgesagt – In a Nutshell
チャンネル登録者数 1290万人

登録済み 🔔

次の動画 自動再生



BLACK HOLES
1:16

ブラックホールの説明・誕生から死まで
Kurzgesagt – In a Nutshell
1557万 回視聴 - 4年前

日本語字幕も同時で表示したい時は、**Translation language** を**日本語**に、**machine translation** を**オン**にしておこう！

The image shows a screenshot of the LLY - Settings window. The window is titled "LLY - Settings" and has a "BETA" label in the top left corner. On the left side, there is a navigation menu with links for "Youtube Catalogue", "Forum", "Report Bug", "Changelog", and "Help". Below the menu, there is a section for "Keyboard shortcuts" with a table of key assignments:

Function	Key
Previous	A
Repeat	S
Next	D
Play / Pause	Space
Toggle auto-pause	Q
Save current subtitle	R

The main settings area on the right includes:

- Sign in status: Not Signed in (with a "Sign in" button)
- Mode: Not Signed in
- Youtube subtitle language: 英語
- Vocabulary highlighting: Level 8: disable
- Force original tracks: (checked)
- Translation language: Japanese (日本語)** (highlighted with a red oval)
- Show machine translation: (checked)
- Hide subtitles: Disabled
- Highlight saved words: (checked)
- Show subtitle controls: (checked)

At the bottom right of the settings window is a "Close" button. The background shows a video player interface with a video titled "Black Holes Could Delete The..." and a subtitle track.

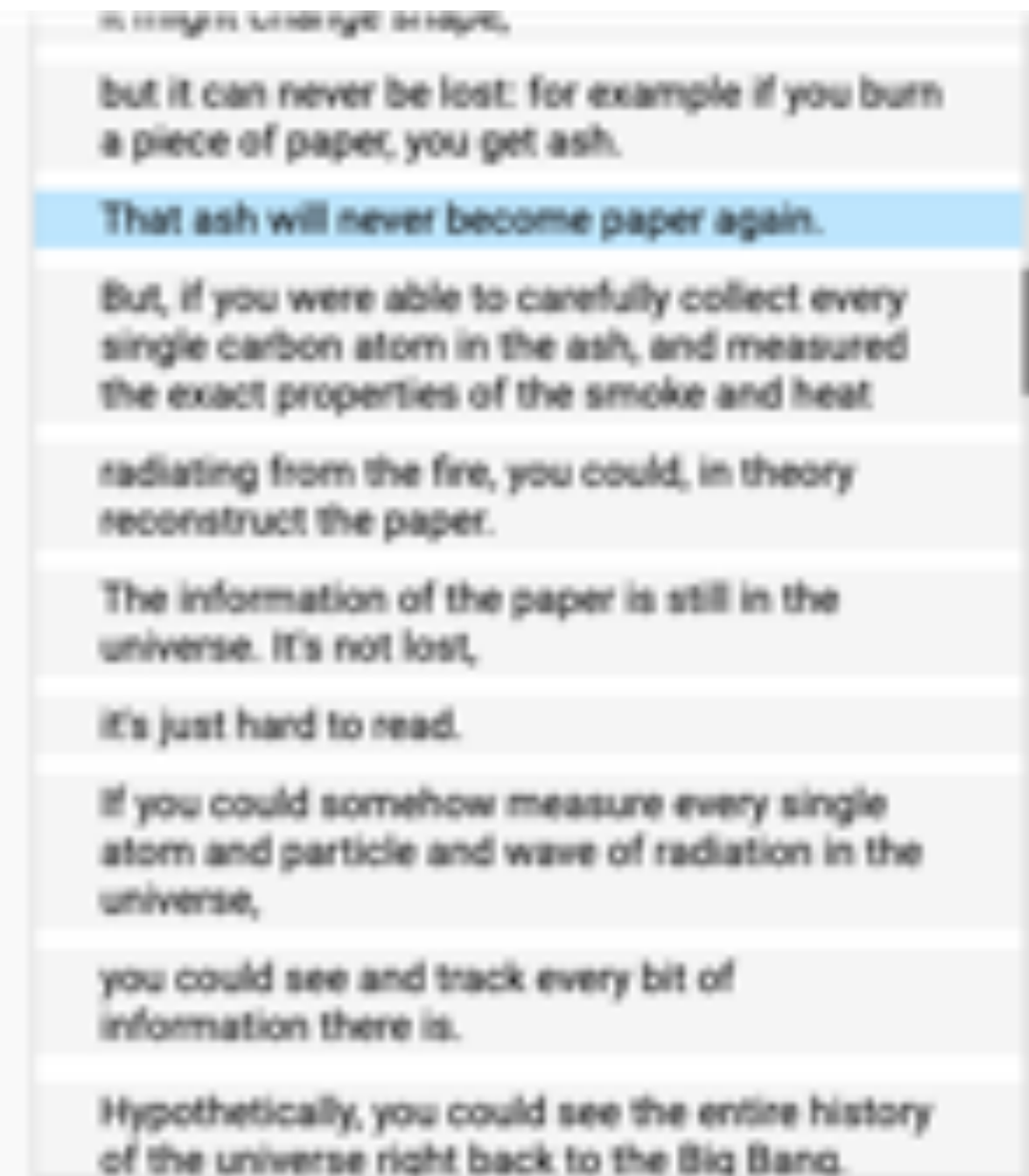


日本語字幕も同時表示されたね！



That ash will never become paper again.

その灰は二度と紙にならない。



Why Black Holes Could Delete The Universe - Information Paradox
18,945,935 回視聴 - 2017/08/24

Kurzgesagt - In a Nutshell
チャンネル登録者数 1250万人

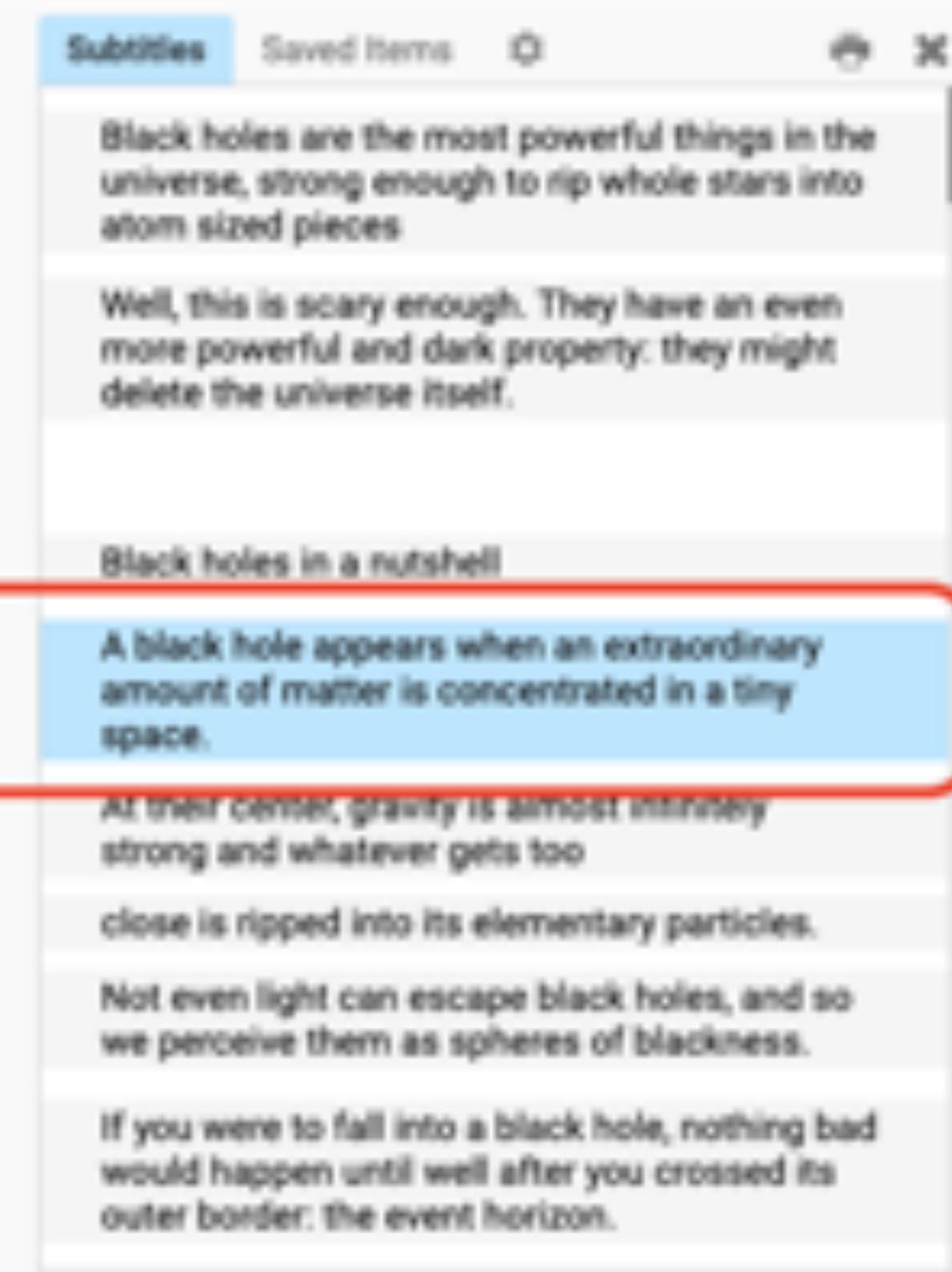
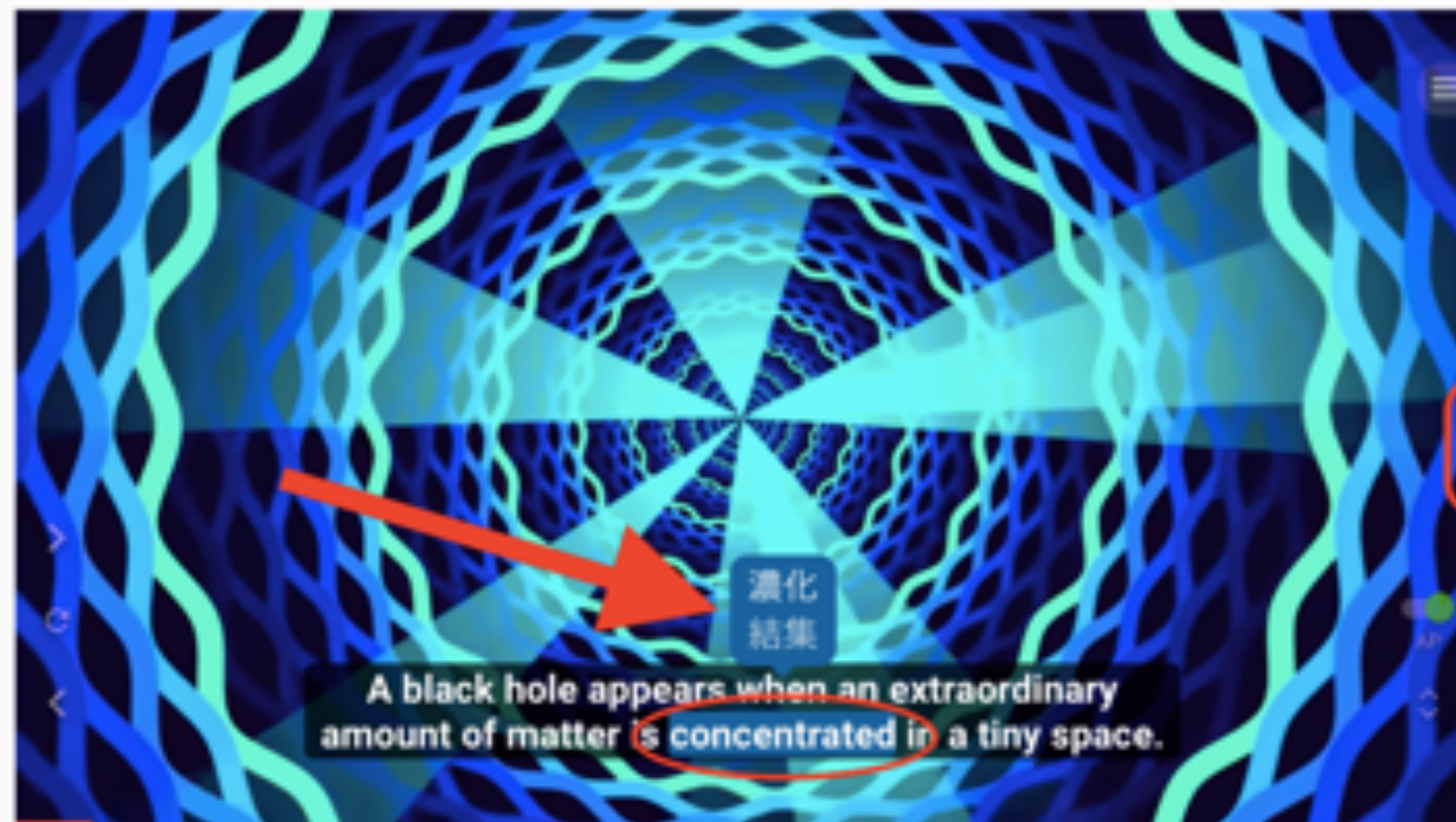




画面右の **AP** の toggle button をオンにすると、字幕バーに表示されている**各ブロックの最後**で音声が**自動停止**するよ！

The screenshot shows a video player interface. On the left, a science illustration depicts a black hole with a central singularity and an event horizon, surrounded by a glowing accretion disk. A subtitle bar at the bottom of the video displays the text: "That ash will never become paper again." On the right side of the video player, there is a control panel with a green toggle switch labeled "AP" which is currently turned on. A blue tooltip box points to this switch, containing the text: "Automatically pause playback at the end of every subtitle. [Q key]". To the right of the video player is a separate subtitle bar with multiple lines of English text. The subtitle bar has a blue highlight on the line: "That ash will never become paper again." Below the subtitle bar, there are controls for "次の動画" (Next video) and "自動再生" (Autoplay) which is currently turned on.

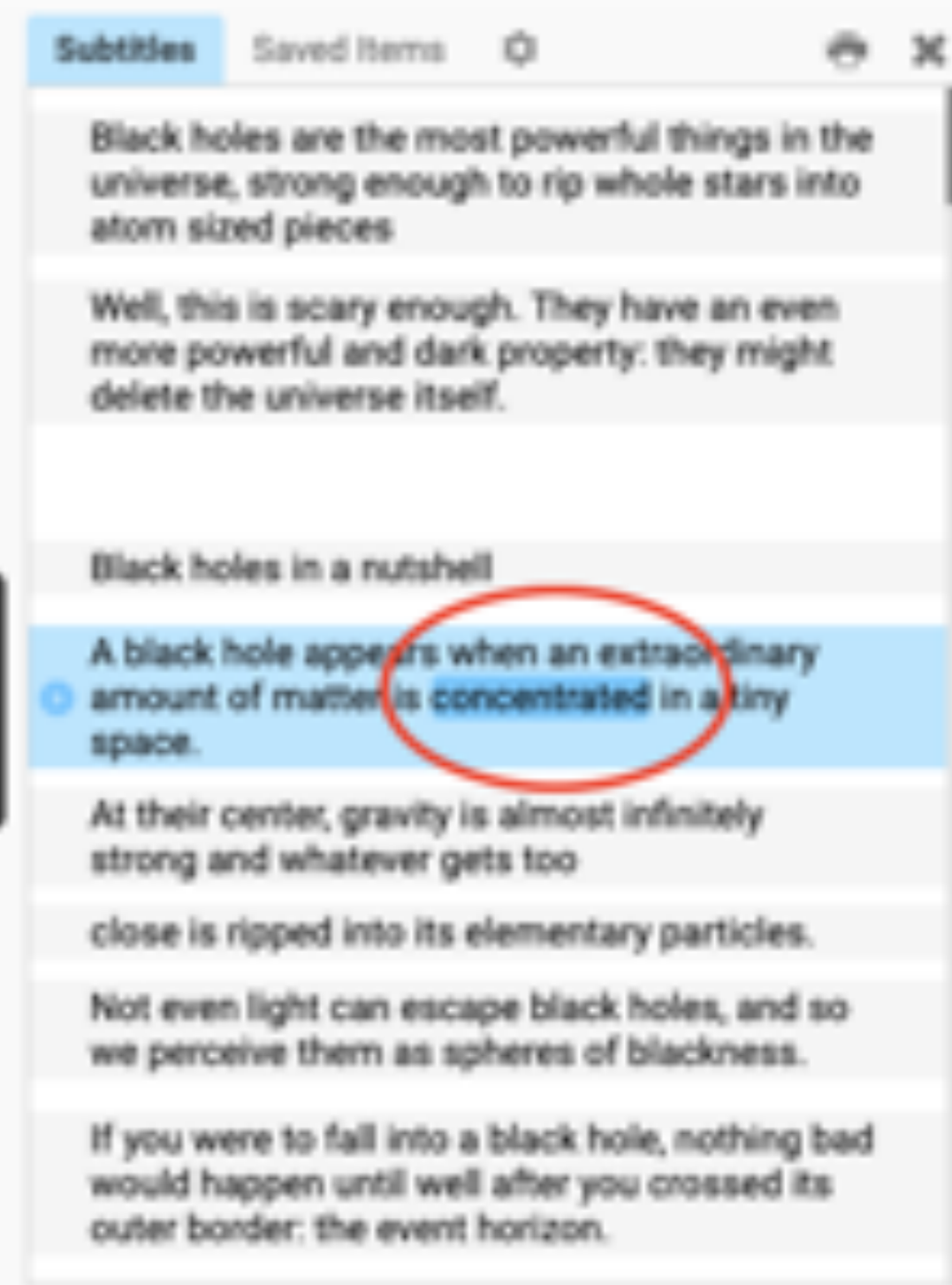
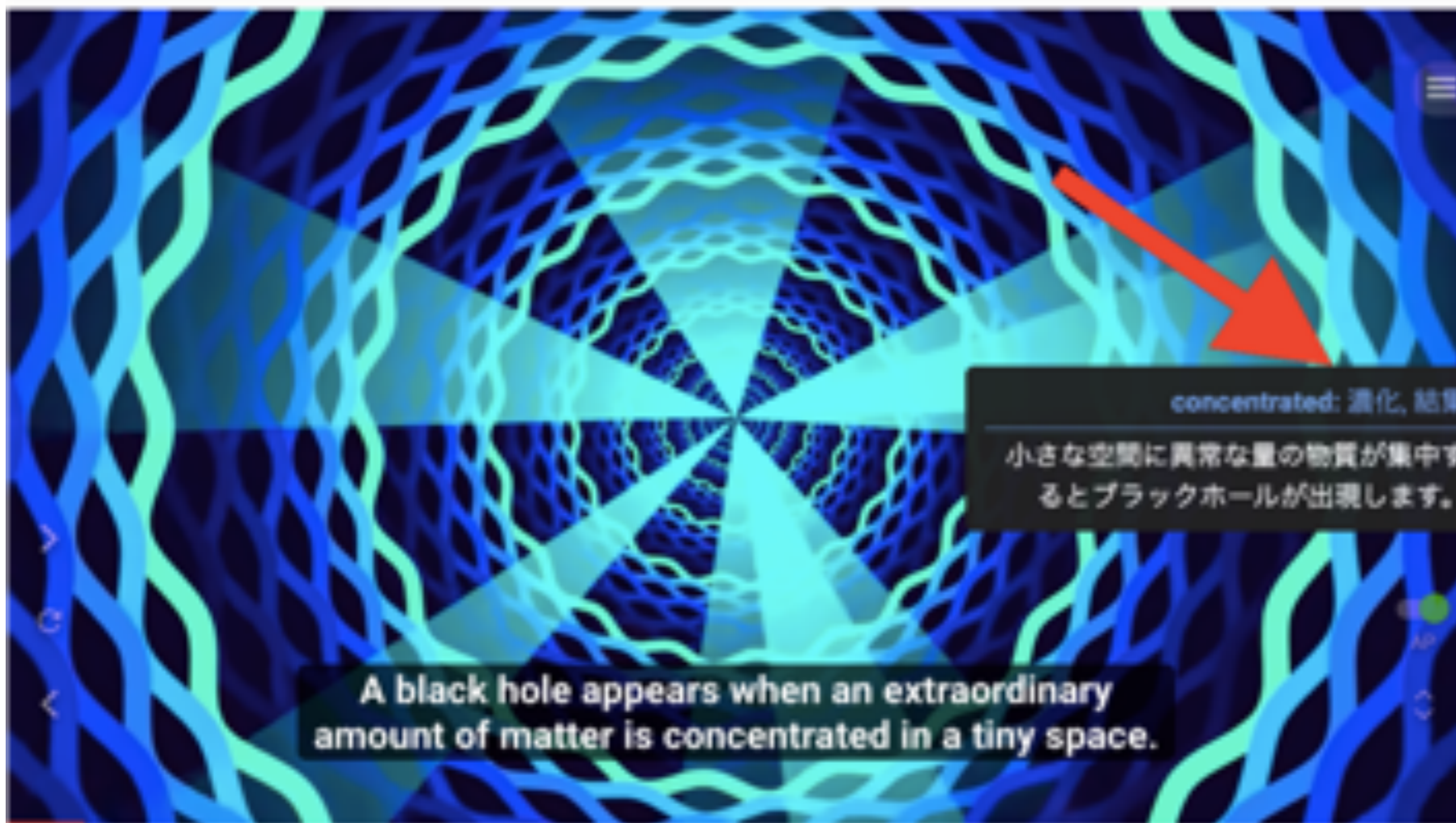
動画メイン画面の字幕の**英単語の上にカーソル**を合わせると、**日本語訳が表示**されるよ！ ちなみに、右側の字幕バーでは**現在再生中の字幕ブロックが水色**になるのでどこが再生中かがすぐに分かるよ！



助かります!!



右側の字幕バーで**英単語の上にカーソル**を
合わせると、**日本語訳が表示**されるよ!



右側の字幕バーの各ブロック先頭にある**再生ボタン**をクリックすると、**そのブロックの先頭から再生**してくれるので便利だよ！



Subtitles Saved Items

Black holes are the most powerful things in the universe, strong enough to rip whole stars into atom sized pieces

Well, this is scary enough. They have an even more powerful and dark property: they might delete the universe itself.

Black holes in a nutshell

A black hole appears when an extraordinary amount of matter is concentrated in a tiny space.

At their center, gravity is almost infinitely strong and whatever gets too close is ripped into its elementary particles.

Not even light can escape black holes, and so we perceive them as spheres of blackness.

If you were to fall into a black hole, nothing bad would happen until well after you crossed its outer border: the event horizon.



LLYこれだけショートカットキー

←

左キー : previous

→

右キー : next

↓

下キー : repeat

ス

ペ

ー

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ー

: play/pause

Qキー

: AP 切り替え