

The available fields are:

- `id` (string): Video identifier
- `title` (string): Video title
- `fulltitle` (string): Video title ignoring live timestamp and generic title
- `ext` (string): Video filename extension
- `alt_title` (string): A secondary title of the video
- `description` (string): The description of the video
- `display_id` (string): An alternative identifier for the video
- `uploader` (string): Full name of the video uploader
- `uploader_id` (string): Nickname or id of the video uploader
- `uploader_url` (string): URL to the video uploader's profile
- `license` (string): License name the video is licensed under
- `creators` (list): The creators of the video
- `creator` (string): The creators of the video; comma-separated
- `timestamp` (numeric): UNIX timestamp of the moment the video became available
- `upload_date` (string): Video upload date in UTC (YYYYMMDD)
- `release_timestamp` (numeric): UNIX timestamp of the moment the video was released
- `release_date` (string): The date (YYYYMMDD) when the video was released in UTC
- `release_year` (numeric): Year (YYYY) when the video or album was released
- `modified_timestamp` (numeric): UNIX timestamp of the moment the video was last modified
- `modified_date` (string): The date (YYYYMMDD) when the video was last modified in UTC
- `channel` (string): Full name of the channel the video is uploaded on
- `channel_id` (string): Id of the channel
- `channel_url` (string): URL of the channel
- `channel_follower_count` (numeric): Number of followers of the channel
- `channel_is_verified` (boolean): Whether the channel is verified on the platform
- `location` (string): Physical location where the video was filmed
- `duration` (numeric): Length of the video in seconds
- `duration_string` (string): Length of the video (HH:mm:ss)
- `view_count` (numeric): How many users have watched the video on the platform
- `concurrent_view_count` (numeric): How many users are currently watching the video on the platform.
- `like_count` (numeric): Number of positive ratings of the video
- `dislike_count` (numeric): Number of negative ratings of the video
- `repost_count` (numeric): Number of reposts of the video
- `average_rating` (numeric): Average rating given by users, the scale used depends on the webpage
- `comment_count` (numeric): Number of comments on the video (For some extractors, comments are only downloaded at the end, and so this field cannot be used)
- `age_limit` (numeric): Age restriction for the video (years)
- `live_status` (string): One of "not_live", "is_live", "is_upcoming", "was_live", "post_live" (was live, but VOD is not yet processed)
- `is_live` (boolean): Whether this video is a live stream or a fixed-length video
- `was_live` (boolean): Whether this video was originally a live stream

- `playable_in_embed` (string): Whether this video is allowed to play in embedded players on other sites
- `availability` (string): Whether the video is "private", "premium_only", "subscriber_only", "needs_auth", "unlisted" or "public"
- `media_type` (string): The type of media as classified by the site, e.g. "episode", "clip", "trailer"
- `start_time` (numeric): Time in seconds where the reproduction should start, as specified in the URL
- `end_time` (numeric): Time in seconds where the reproduction should end, as specified in the URL
- `extractor` (string): Name of the extractor
- `extractor_key` (string): Key name of the extractor
- `epoch` (numeric): Unix epoch of when the information extraction was completed
- `autonumber` (numeric): Number that will be increased with each download, starting at `- - autonumber - start`, padded with leading zeros to 5 digits
- `video_autonumber` (numeric): Number that will be increased with each video
- `n_entries` (numeric): Total number of extracted items in the playlist
- `playlist_id` (string): Identifier of the playlist that contains the video
- `playlist_title` (string): Name of the playlist that contains the video
- `playlist` (string): `playlist_title` if available or else `playlist_id`
- `playlist_count` (numeric): Total number of items in the playlist. May not be known if entire playlist is not extracted
- `playlist_index` (numeric): Index of the video in the playlist padded with leading zeros according to the final index
- `playlist_autonumber` (numeric): Position of the video in the playlist download queue padded with leading zeros according to the total length of the playlist
- `playlist_uploader` (string): Full name of the playlist uploader
- `playlist_uploader_id` (string): Nickname or id of the playlist uploader
- `playlist_channel` (string): Display name of the channel that uploaded the playlist
- `playlist_channel_id` (string): Identifier of the channel that uploaded the playlist
- `playlist_webpage_url` (string): URL of the playlist webpage
- `webpage_url` (string): A URL to the video webpage which, if given to yt-dlp, should yield the same result again
- `webpage_url_basename` (string): The basename of the webpage URL
- `webpage_url_domain` (string): The domain of the webpage URL
- `original_url` (string): The URL given by the user (or the same as `webpage_url` for playlist entries)
- `categories` (list): List of categories the video belongs to
- `tags` (list): List of tags assigned to the video
- `cast` (list): List of cast members

All the fields in [Filtering Formats](#) can also be used

Available for the video that belongs to some logical chapter or section:

- `chapter` (string): Name or title of the chapter the video belongs to
- `chapter_number` (numeric): Number of the chapter the video belongs to
- `chapter_id` (string): Id of the chapter the video belongs to

Available for the video that is an episode of some series or program:

- `series` (string): Title of the series or program the video episode belongs to
- `series_id` (string): Id of the series or program the video episode belongs to
- `season` (string): Title of the season the video episode belongs to
- `season_number` (numeric): Number of the season the video episode belongs to
- `season_id` (string): Id of the season the video episode belongs to
- `episode` (string): Title of the video episode
- `episode_number` (numeric): Number of the video episode within a season
- `episode_id` (string): Id of the video episode

Available for the media that is a track or a part of a music album:

- `track` (string): Title of the track
- `track_number` (numeric): Number of the track within an album or a disc
- `track_id` (string): Id of the track
- `artists` (list): Artist(s) of the track
- `artist` (string): Artist(s) of the track; comma-separated
- `genres` (list): Genre(s) of the track
- `genre` (string): Genre(s) of the track; comma-separated
- `composers` (list): Composer(s) of the piece
- `composer` (string): Composer(s) of the piece; comma-separated
- `album` (string): Title of the album the track belongs to
- `album_type` (string): Type of the album
- `album_artists` (list): All artists appeared on the album
- `album_artist` (string): All artists appeared on the album; comma-separated
- `disc_number` (numeric): Number of the disc or other physical medium the track belongs to

Available only when using `--download-sections` and for `chapter:` prefix when using `--split-chapters` for videos with internal chapters:

- `section_title` (string): Title of the chapter
- `section_number` (numeric): Number of the chapter within the file
- `section_start` (numeric): Start time of the chapter in seconds
- `section_end` (numeric): End time of the chapter in seconds

Available only when used in `--print`:

- `urls` (string): The URLs of all requested formats, one in each line
- `filename` (string): Name of the video file. Note that the [actual filename may differ](#)
- `formats_table` (table): The video format table as printed by `--list-formats`
- `thumbnails_table` (table): The thumbnail format table as printed by `--list-thumbnails`
- `subtitles_table` (table): The subtitle format table as printed by `--list-subs`
- `automatic_captions_table` (table): The automatic subtitle format table as printed by `--list-subs`

Available only after the video is downloaded (`post_process/after_move`):

- `filepath`: Actual path of downloaded video file

Available only in `--sponsorblock-chapter-title`:

- `start_time` (numeric): Start time of the chapter in seconds
- `end_time` (numeric): End time of the chapter in seconds
- `categories` (list): The [SponsorBlock categories](#) the chapter belongs to
- `category` (string): The smallest SponsorBlock category the chapter belongs to
- `category_names` (list): Friendly names of the categories
- `name` (string): Friendly name of the smallest category
- `type` (string): The [SponsorBlock action type](#) of the chapter

Each aforementioned sequence when referenced in an output template will be replaced by the actual value corresponding to the sequence name. E.g. for `-o %(title)s-%(id)s.%(ext)s` and an mp4 video with title `yt-dlp test video` and id `BaW_jenozKc`, this will result in a `yt-dlp test video-BaW_jenozKc.mp4` file created in the current directory.

Note: Some of the sequences are not guaranteed to be present, since they depend on the metadata obtained by a particular extractor. Such sequences will be replaced with placeholder value provided with `--output-na-placeholder` (NA by default).

Tip: Look at the `-j` output to identify which fields are available for the particular URL

For numeric sequences, you can use [numeric related formatting](#); e.g. `%(view_count)05d` will result in a string with view count padded with zeros up to 5 characters, like in `00042`.

Output templates can also contain arbitrary hierarchical path, e.g. `-o "%(playlist)s/%(playlist_index)s - %(title)s.%(ext)s"` which will result in downloading each video in a directory corresponding to this path template. Any missing directory will be automatically created for you.

To use percent literals in an output template use `%%`. To output to stdout use `-o -`.

The current default template is `%(title)s [%(id)s].%(ext)s`.

In some cases, you don't want special characters such as `中`, spaces, or `&`, such as when transferring the downloaded filename to a Windows system or the filename through an 8bit-unsafe channel. In these cases, add the `--restrict-filenames` flag to get a shorter title.