

Pixabay API Information

Extracted from Screenshot: December 13, 2025

API Credentials

API Key: 40138022-57af4b7daf7ed0a81d2f7bded
Base URL: <https://pixabay.com/api/>

Rate Limits & Usage Rules

Rate Limiting

- **Limit:** 100 requests per 60 seconds
- **Headers Returned:**
 - X-RateLimit-Limit : Maximum requests allowed (100)
 - X-RateLimit-Remaining : Requests remaining in window
 - X-RateLimit-Reset : Seconds until rate limit resets

Caching Requirements

- **Must cache results for 24 hours**
- API is designed for real human requests
- No systematic mass downloads allowed
- Can request limit increase if properly implemented

Hotlinking Policy

- **Temporary display:** OK for search results
- **Permanent hotlinking:** NOT ALLOWED
- **Recommendation:** Download images to your server first
- **Videos:** Can embed directly, but server storage recommended

Error Handling

- HTTP error codes with plain text descriptions
- Example: HTTP 429 "Too Many Requests" = Rate limit exceeded

API Parameters

Image Search Endpoint

GET <https://pixabay.com/api/>

Required Parameters

Parameter	Type	Description
<code>key</code>	string	API key (required for all requests)

Optional Parameters

Parameter	Type	Values	Default
q	string	URL-encoded search term (max 100 chars)	all images
lang	string	cs, da, de, en, es, fr, id, it, hu, nl, no, pl, pt, ro, sk, fi, sv, tr, vi, th, bg, ru, el, ja, ko, zh	"en"
id	string	Retrieve individual images by ID	-
image_type	string	"all", "photo", "illustration", "vector"	"all"
orientation	string	"all", "horizontal", "vertical"	"all"
category	string	backgrounds, fashion, nature, science, education, feelings, health, people, religion, places, animals, industry, computer, food, sports, transportation, travel, buildings, business, music	-
min_width	int	Minimum image width	0
min_height	int	Minimum image height	0
colors	string	grayscale, transparent, red, orange, yellow, green, turquoise, blue, lilac, pink, white, gray, black, brown	-
editors_choice	bool	"true", "false"	"false"
safesearch	bool	"true", "false"	"false"
order	string	"popular", "latest"	"popular"

Parameter	Type	Values	Default
page	int	Page number for paginated results	1
per_page	int	Results per page (3-200)	20
callback	string	JSONP callback function name	-
pretty	bool	Indent JSON output (not for production)	"false"

Video Search Endpoint

GET <https://pixabay.com/api/videos/>

Similar parameters to image search, with video-specific options:

- `video_type` : "all", "film", "animation"
- Video quality levels: large (3840x2160), medium (1920x1080), small (1280x720), tiny (960x540)

Response Format

Image Response Structure

```
{
  "total": 4692,
  "totalHits": 500,
  "hits": [
    {
      "id": 195893,
      "pageURL": "https://images.pexels.com/photos/30731364/pexels-photo-30731364.jpeg?cs=srgb&dl=pexels-mavicair2tw-30731364.jpg&fm=jpg",
      "type": "photo",
      "tags": "blossom, bloom, flower",
      "previewURL": "https://upload.wikimedia.org/wikipedia/commons/8/81/Badam-wari_Flower_Series_2.png",
      "previewWidth": 150,
      "previewHeight": 84,
      "webformatURL": "https://images.unsplash.com/photo-1436891436013-5965265af5fc?fm=jpg&q=60&w=3000&ixlib=rb-4.1.0&ixid=M3wxMjA3fDB8MHxzZWFiY2h8M3x8Zmxvd2VyJTlWYmxb218ZW58MHx8MHx8fDA%3D",
      "webformatWidth": 640,
      "webformatHeight": 360,
      "largeImageURL": "https://...1280.jpg",
      "fullHDURL": "https://...1920.jpg",
      "imageURL": "https://...",
      "imageWidth": 4000,
      "imageHeight": 2250,
      "imageSize": 4731420,
      "views": 7671,
      "downloads": 6439,
      "likes": 5,
      "comments": 2,
      "user_id": 48777,
      "user": "Josch13",
      "userImageURL": "https://..."
    }
  ]
}
```

Image URL Sizes

Replace `_640` in `webformatURL` to access other sizes:

- `_180` : 180px tall version
- `_340` : 340px tall version
- `_640` : 640px max dimension (default)
- `_960` : 960x720px max dimension

High-Resolution Access

- `largeImageURL` : Max 1280px
- `fullHDURL` : Max 1920px (Full HD)
- `imageURL` : Original full resolution

Example Request

```
https://pixabay.com/api/?
key=40138022-57af4b7daf7ed0a81d2f7bded&q=basketball+shooting&image_type=photo&min_widt
h=1920&per_page=200
```

Attribution Requirements

Show users where images are from whenever displaying search results.

Example:

Images from [Pixabay](https://pixabay.com) (<https://pixabay.com>)

Best Practices for Basketball Training Dataset

Optimized Search Terms

- “basketball shooting back view”
- “basketball from behind”
- “amateur basketball”
- “youth basketball shooting”
- “street basketball”
- “recreational basketball”

Quality Filters

```
params = {
    'image_type': 'photo',
    'min_width': 1920,
    'min_height': 1080,
    'per_page': 200, # Maximum
    'order': 'popular',
    'safesearch': 'false'
}
```

Rate Limit Implementation

```
import time




RATE_LIMIT_DELAY = 0.6 # 100 req/60s = 0.6s between requests
last_request_time = 0

def rate_limit_wait():
    global last_request_time
    current_time = time.time()
    time_since_last = current_time - last_request_time
    if time_since_last < RATE_LIMIT_DELAY:
        time.sleep(RATE_LIMIT_DELAY - time_since_last)
    last_request_time = time.time()
```

Notes

- API limits to 500 images per query (totalHits cap)
- Use multiple search terms to get more variety
- Download highest quality available (fullHDURL or largeImageURL)
- Cache results for 24 hours as required
- Monitor rate limit headers in responses

Collection Status

-  API Key Extracted: 2025-12-13
-  Integration Complete: 2025-12-13
-  Collection In Progress: Targeting 400+ images from Pixabay API