Developer Resources

Search reference

```
wp_get_attachment_image_src( int $attachment_id, string|int[] $size = 'thumbnail',
         bool $icon = false ): array|false
```

Retrieves an image to represent an attachment.

CONTENTS

Parameters

Return

Source

Hooks

Related

○ Uses

○ Used By

Changelog

User Contributed Notes

🔗 Parameters

$attachment_id   int   Required

    Image attachment ID.

$size   string|int[]   Optional

    Image size. Accepts any registered image size name, or an array of width and height values in pixels (in that order). Default `'thumbnail'` .

    Default: `'thumbnail'`

$icon   bool   Optional

    Whether the image should fall back to a mime type icon.

    Default: `false`

🔗 Return

Top ↑

array|false   Array of image data, or boolean false if no image is available.

- string

    Image source URL.

- **1** int

  Image width in pixels.

- **2** int

  Image height in pixels.

- **3** bool

  Whether the image is a resized image.

🔗 Source

Top ↑

File: `wp-includes/media.php`. [View all references](#)

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Copy | Expand code

```php
952 function wp_get_attachment_image_src( $attachment_id, $size = 'thumbnail', $icon = false ) {
953     // Get a thumbnail or intermediate image if there is one.
954     $image = image_downsize( $attachment_id, $size );
955     if ( ! $image ) {
956         $src = false;
957
958         if ( $icon ) {
959             $src = wp_mime_type_icon( $attachment_id );
960
961             if ( $src ) {
962                 /** This filter is documented in wp-includes/post.php */
963                 $icon_dir = apply_filters( 'icon_dir', ABSPATH . WPINC . '/images/media' );
964
965                 $src_file               = $icon_dir . '/' . wp_basename( $src );
966                 list( $width, $height ) = wp_getimagesize( $src_file );
```

</div>

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🔗 Hooks

Top ↑

apply_filters('icon_dir', *string* $path)

  Filters the icon directory path.

apply_filters('wp_get_attachment_image_src', *array|false* $image, *int* $attachment_id, *string|int[]* $size, *bool* $icon)

  Filters the attachment image source result.

🔗 Related

Top ↑

Uses	Description

Uses	Description
wp_getimagesize() wp-includes/media.php	Allows PHP's getimagesize() to be debuggable when necessary.
image_downsize() wp-includes/media.php	Scales an image to fit a particular size (such as 'thumb' or 'medium').
wp_mime_type_icon() wp-includes/post.php	Retrieves the icon for a MIME type or attachment.

Show 2 more uses

Used By	Description
WP_REST_Attachments_Controller::prepare_item_for_response() wp-includes/rest-api/endpoints/class-wp-rest-attachments-controller.php	Prepares a single attachment output for response.
get_oembed_response_data_rich() wp-includes/embed.php	Filters the oEmbed response data to return an iframe embed code.
wp_get_attachment_image_srcset() wp-includes/media.php	Retrieves the value for an image attachment's 'srcset' attribute.
wp_get_attachment_image_sizes() wp-includes/media.php	Retrieves the value for an image attachment's 'sizes' attribute.
wp_get_attachment_image_url() wp-includes/media.php	Gets the URL of an image attachment.

Show 9 more used by

🔗 Changelog

Version	Description
2.5.0	Introduced.

🔗 User Contributed Notes

▲ 22 ▼   Contributed by *Marc Heatley* — 6 years ago

The #return section gives keys, but the function just returns indexes. We should make it clearer what is returned by this function. And some description or a link to explain `is intermediate`

```
1 array{
2     [0] => url,
3     [1] => width</em>
4     [2] => height</em>
5     [4] => is_intermediate
6 }
```

▲ 10 ▼   <>   Contributed by *Codex* — 8 years ago

Default Usage

Copy

```
$image_attributes = wp_get_attachment_image_src( $attachment_id = 8 );
if ( $image_attributes ) : ?>
    <img src="<?php echo $image_attributes[0]; ?>" width="<?php echo $image_attributes[1]; ?>" height="
<?php endif; ?>
```

▲ 5 ▼   <>   Contributed by *Codex* — 8 years ago

Show the first image associated with the post
This function retrieves the first image associated with a post.

Copy   Expand code

```
 1 /**
 2  * Output a post's first image.
 3  *
 4  * @param int $post_id Post ID.
 5  */
 6 function wpdocs_echo_first_image( $post_id ) {
 7     $args = array(
 8         'posts_per_page' => 1,
 9         'order'          => 'ASC',
10         'post_mime_type' => 'image',
11         'post_parent'    => $post_id,
12         'post_status'    => null,
13         'post_type'      => 'attachment',
14     );
15
16     
```

▲ 5 ▼   Contributed by *blexfort* — 3 years ago

To get original size URL image in the function `wp_get_attachment_image_src` use:

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```
$img_atts = wp_get_attachment_image_src($IMG_ID, 'full');
<img src="<?php echo $img_atts[0]; ?>"
```

Log in to add feedback

▲ 2 ▼   Contributed by *OlalaWeb* — 8 years ago

Tips: Return values ([1] width [2] height [3] resize) seems to be empty when using the Jetpack plugin.

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▲ 1 ▼   <>   Contributed by *Codex* — 8 years ago

Change Icon Directory
WordPress can use media icons to represent attachment files on your blog and in the Admin interface, if those icons are available.
For images, it returns the thumbnail. For other media types, it looks for image files named by media type (e.g., `audio.jpg`) in the directory `wp-includes/images/crystal/`.

This example shows how you can change this directory to a folder called "images" in your theme: `wp-content/themes/yourtheme/images`. Create the folder and put "media type images" in there. To tell WordPress the directory has changed, put this in the current theme's `functions.php` file:

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```
1  add_filter( 'icon_dir', 'wpdocs_theme_icon_directory' );
2  add_filter( 'icon_dir_uri', 'wpdocs_theme_icon_uri' );
3
4  /*
5   * Return my desired icon directory
6   */
7  function wpdocs_theme_icon_directory( $icon_dir ) {
8      return get_stylesheet_directory() . '/images';
9  }
10
11 /*
12  * Return my desired icon URI
13  */
14 function wpdocs_theme_icon_uri( $icon_dir ) {
15     return get_stylesheet_directory_uri() . '/images';
16 }
```

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Contributed by *CdWritted* — 6 years ago

Retrieve the post thumbnail url sized as 220 if thumbnail exists.

Copy

```
1  $args = array( 'post_type' => 'post', 'post_status' => 'publish', 'posts_per_page' => 5, 'numberpo
2
3  $posts = get_posts( $args );
4
5  foreach($posts as $post) {
6      $thumbnail_url = wp_get_attachment_image_src(get_post_thumbnail_id($post->ID), array('220','22
7      $thumbnail_url = $thumbnail_url[0];
8      echo ( !empty($thumbnail_url) ) ? $thumbnail_url : 'No thumb!';
9  }
```

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Contributed by *Hay* — 3 years ago

A couple of notes on this page mention getting the first image in a post based on `get_children`. Unfortunately, that won't work if you're using the Gutenberg editor. To get the first image from a Gutenberg-based post, you need to parse the blocks. Here's a function that will return the ID of the first image in a post, or `null` if there is none.

Copy

```
1  function first_image_in_blocks( $id ) {
2      $post = get_post( $id );
3      $blocks = parse_blocks( $post->post_content );
4
5      // Get all blocks that have a core/image blockName
6      $images = array_filter( $blocks, function( $block ) {
7          return 'core/image' === $block['blockName'];
8      } );
9
10     // If there are any images, get the id from the first image, otherwise
11     // return null
12     return count( $images ) > 0 ? $images[0]['attrs']['id'] : null;
13 }
```

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Contributed by *salem80* — 1 year ago

Here is my code to create custom gallery from post attachment only (I use it in 'singl.php' for specified category)

Copy

```
1  <!-- begin gallery -->
2  <?php  if  ( get_the_category()[0]->slug == 'gallery' ) {     ?>
3  <div class="gallery" id ='lightgallery' >
```

```php
<?php $attachments = get_posts( array( 'post_type' => 'attachment', 'post_parent' => $post->ID )
5  if ( $attachments ) {
6  foreach ( $attachments as $post ) {
7  echo '<a href="'.wp_get_attachment_image_src( $post->ID, 'full' )[0].'">' ;
8  echo '<img src="'.wp_get_attachment_image_src( $post->ID )[0].'" > </a>';
9  }
10 wp_reset_postdata();
11 } ?>
12 </div>
13 <?php } ?>
14 <!-- End gallery -->
```

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▲ -5 ▼   Contributed by *tazotodua* — 5 years ago

the function returns:

Copy

```
1  array (size=4)
2    0 => string 'http://example.com/wp-content/uploads/2017/11/image-name-150x150.jpg' (length=72)
3    1 => int 150
4    2 => int 150
5    3 => boolean true
```

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