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| **Methods summary** | |
| public static [Gumlet\ImageResize](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_createFromString)[createFromString](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#46-60)( string **$image\_data** )  Create instance from a strng |
| public [Gumlet\ImageResize](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#___construct)[\_\_construct](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#62-132)( string **$filename** )  Loads image source and its properties to the instanciated object |
| public | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_imageCreateJpegfromExif)[imageCreateJpegfromExif](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#135-164)( **$filename** ) |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_save)[save](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#166-278)( string **$filename**, string **$image\_type** = **null**, integer **$quality** = **null**, integer **$permissions** = **null** )  Saves new image |
| public string | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_getImageAsString)[getImageAsString](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#280-298)( integer **$image\_type** = **null**, integer **$quality** = **null** )  Convert the image to string |
| public string | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#___toString)[\_\_toString](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#300-308)( )  Convert the image to string with the current settings |
| public | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_output)[output](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#310-322)( string **$image\_type** = **null**, integer **$quality** = **null** )  Outputs image to browser |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_resizeToShortSide)[resizeToShortSide](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#324-346)( integer **$max\_short**, boolean **$allow\_enlarge** = **false** )  Resizes image according to the given short side (short side proportional) |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_resizeToLongSide)[resizeToLongSide](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#348-370)( integer **$max\_long**, boolean **$allow\_enlarge** = **false** )  Resizes image according to the given long side (short side proportional) |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_resizeToHeight)[resizeToHeight](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#372-387)( integer **$height**, boolean **$allow\_enlarge** = **false** )  Resizes image according to the given height (width proportional) |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_resizeToWidth)[resizeToWidth](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#389-404)( integer **$width**, boolean **$allow\_enlarge** = **false** )  Resizes image according to the given width (height proportional) |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_resizeToBestFit)[resizeToBestFit](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#406-430)( integer **$max\_width**, integer **$max\_height**, boolean **$allow\_enlarge** = **false** )  Resizes image to best fit inside the given dimensions |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_scale)[scale](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#432-446)( integer|float **$scale** )  Resizes image according to given scale (proportionally) |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_resize)[resize](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#448-479)( integer **$width**, integer **$height**, boolean **$allow\_enlarge** = **false** )  Resizes image according to the given width and height |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_crop)[crop](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#481-530)( integer **$width**, integer **$height**, boolean **$allow\_enlarge** = **false**, integer **$position** = self::CROPCENTER )  Crops image according to the given width, height and crop position |
| public static | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_freecrop)[freecrop](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#532-564)( integer **$width**, integer **$height**, integer **$x** = **false**, integer **$y** = **false** )  Crops image according to the given width, height, x and y |
| public integer | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_getSourceWidth)[getSourceWidth](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#566-574)( )  Gets source width |
| public integer | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_getSourceHeight)[getSourceHeight](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#576-584)( )  Gets source height |
| public integer | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_getDestWidth)[getDestWidth](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#586-594)( )  Gets width of the destination image |
| public integer | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_getDestHeight)[getDestHeight](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#596-603)( )  Gets height of the destination image |
| protected integer | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#_getCropPosition)[getCropPosition](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#605-629)( integer **$expectedSize**, integer **$position** = self::CROPCENTER )  Gets crop position (X or Y) according to the given position |

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| **Constants summary** | | |
| integer | [**CROPTOP**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#10) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPTOP)1 |
| integer | [**CROPCENTRE**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#11) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPCENTRE)2 |
| integer | [**CROPCENTER**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#12) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPCENTER)2 |
| integer | [**CROPBOTTOM**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#13) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPBOTTOM)3 |
| integer | [**CROPLEFT**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#14) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPLEFT)4 |
| integer | [**CROPRIGHT**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#15) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPRIGHT)5 |
| integer | [**CROPTOPCENTER**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#16) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#CROPTOPCENTER)6 |

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| **Properties summary** | | |
| public integer | [**$quality\_jpg**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#18) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$quality_jpg)85 |
| public integer | [**$quality\_webp**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#19) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$quality_webp)85 |
| public integer | [**$quality\_png**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#20) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$quality_png)6 |
| public boolean | [**$quality\_truecolor**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#21) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$quality_truecolor)**true** |
| public integer | [**$interlace**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#23) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$interlace)1 |
| public | [**$source\_type**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#25) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_type) |
| protected | [**$source\_image**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#27) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_image) |
| protected | [**$original\_w**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#29) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$original_w) |
| protected | [**$original\_h**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#30) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$original_h) |
| protected integer | [**$dest\_x**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#32) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$dest_x)0 |
| protected integer | [**$dest\_y**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#33) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$dest_y)0 |
| protected | [**$source\_x**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#35) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_x) |
| protected | [**$source\_y**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#36) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_y) |
| protected | [**$dest\_w**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#38) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$dest_w) |
| protected | [**$dest\_h**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#39) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$dest_h) |
| protected | [**$source\_w**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#41) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_w) |
| protected | [**$source\_h**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#42) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_h) |
| protected | [**$source\_info**](https://gumlet.github.io/php-image-resize/source-class-Gumlet.ImageResize.html#44) | [#](https://gumlet.github.io/php-image-resize/class-Gumlet.ImageResize.html#$source_info) |