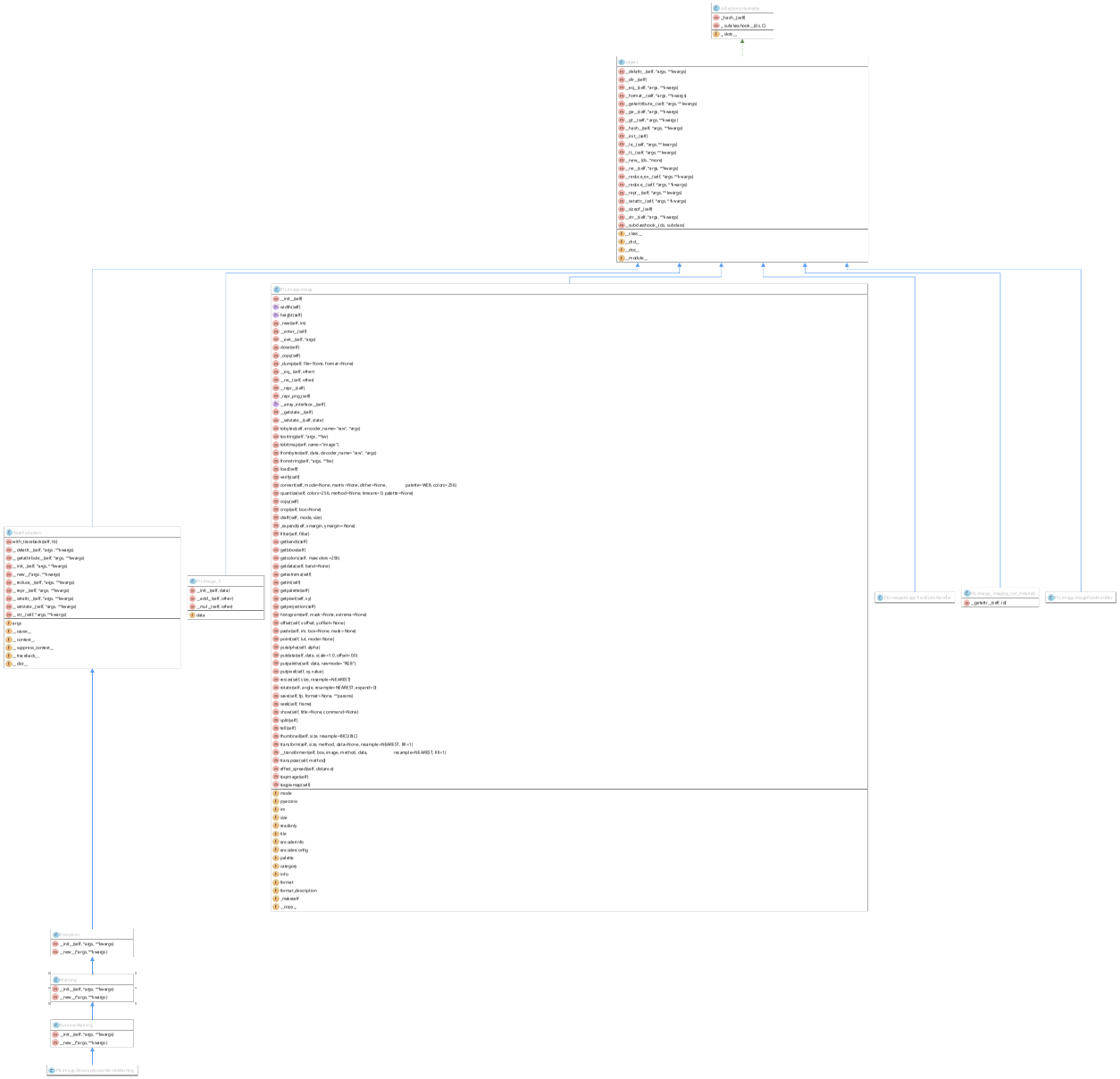
collections.abc.Callable
__hash__(self)
__subclasshook__(cls, C)
__slots__
object
__delattr__(self, *args, **kwargs)
__dir__(self)
__eq__(self, *argv, **kwargs)
__format__(self, *argv, **kwargs) ¶
__getattribute__(self, *argv, **kwargs)
__ge__(self, *argv, **kwargs)
__gt__(self, *argv, **kwargs)
__hash__(self, *argv, **kwargs)
__init_subclass__(cls)
__le__(self, *argv, **kwargs)
__lt__(self, *argv, **kwargs)
__ne__(self, *argv, **kwargs)
__reduce_ex__(self, *argv, **kwargs)
__reduce__(self, *argv, **kwargs)
__repr__(self, *argv, **kwargs)
__setattr__(self, *argv, **kwargs)
__sizeof__(self)
__str__(self, *argv, **kwargs)
__subclasshook__(cls, subclass)
__class__
__dict__
__doc__
__module__
PIL.Image.Image
__init__(self)
width(self)
height(self)
_new(cls, im)
__enter__(self)
__exit__(self, *args)
close(self)
_copy(self)
_dump(self, file=None, format=None)
__eq__(self, other)
__ne__(self, other)
__repr__(self)
__repr_png(self)
__array_interface__(self)
__getstate__(self)
__setstate__(self, state)
tobytes(self, encoder_name="raw", *args)
tostring(self, *args, **kw)
tobitmap(self, name="image")
frombytes(self, data, decoder_name="raw", *args)
fromstring(self, *args, **kw)
load(self)
verify(self)
convert(self, mode=None, matrix=None, dither=None, palette=WEB, colors=256)
quantize(self, colors=256, method=None, kmeans=0, palette=None)
copy(self)
crop(self, box=None)
draft(self, mode, size)
reduce(self, factor, box=None)
thumbnail(self, size, reducing_gamma=False, box=None, reducer=NEAREST, gamma=None)
filter(self, filter)
getbands(self)
getbbox(self)
getcolors(self, maxcolors=256)
getdata(self, band=None)
getextrema(self)
getim(self)
getpalette(self)
getpixel(self, xy)
getprojection(self)
histogram(self, mask=None, extrema=None)
offset(self, xoffset, yoffset=None)
paste(self, im, box=None, mask=None)
point(self, lut, mode=None)
putalpha(self, alpha)
putdata(self, data, scale=1.0, offset=0.0)
putpalette(self, data, rawmode="RGB")
putpixel(self, xy, value)
resize(self, size, resample=NEAREST)
rotate(self, angle, resample=NEAREST, expand=0)
save(self, fp, format=None, **params)
seek(self, frame)
show(self, title=None, command=None)
split(self)
tell(self)
thumbnail(self, size, resample=BICUBIC)
transform(self, size, method, data=None, resample=NEAREST, fill=1)
__transformer(self, box, image, method, data, resample=NEAREST, fill=1)
transpose(self, method)
effect_spread(self, distance)
toqimage(self)
toqpixmap(self)
mode
palette
im
size
readonly
info
encoderinfo
encoderconfig
palette
category
info
format
format_description
_makeself
__copy__
PIL.ImageTransform.Transform
PIL.Image.Image
__getattr__(self, id)
PIL.Image.ImagePointHandler
PIL.ImageFile.ImageFile
fp
tile
decodermaxblock
_close_exclusive_fp_after_loading
__init__(self, fp)
__getattr__(self, id)
__enter__(self)
__exit__(self, *args)
close(self)
load(self)
fileno(self)
tell(self)
verify(self)
load_prepare(self)
load_end(self)
_ensure_mutable(self)
_open(self)
_getexif(self)
_reopen_exif(self)
_gcd(a, b)
_limit_rational(cls, val, maxdenom)
_limit_signed_rational(cls, val, maxdenom, minnum)
_ifd_tag(key)
_rational(key, ignore_zero_zero_denominator=0)
_signed_rational(key, ignore_zero_zero_denominator=0)
_ascii(key, ignore_everything=0)
_short_or_long(key)
_long(key)
_byte(key, ignore_everything=0, keep_empty=0)
_undefined(key, ignore_everything=0, keep_empty=0)
_ifd(key, ldr=0)
_value_or_tuple_of_values(key, ldr=0)
_load_multibyte(data, ifd, offset, bytes=0)
_load_single_value(data, ifd, offset)
_load_dispatch(data, ifd, offset, size_to_read)
_ensure_read(fp, size)
_get_ifd_dictionary(fp, ifd, offset, ldr=0)
_get_ifd_data(fp, ifd, offset)
_get_ifd_extra(fp)
_get_next(fp)
_get_interpreter()
_get_ifd_dictionary_offsets(fp, offset, ldr=0)
_get_ifd_dictionary_tag_types(fp, offset, ldr=0)
_get_ifd_dictionaries(fp, offset, ldr=0)
_get_ifd_extra_offsets(fp)
_get_ifd_extra_dictionaries(fp)
_get_ifd_dictionary_keys(fp, offset, ldr=0)
_get_ifd_extra_keys(fp)
_get_ifd_dictionary_items(fp, offset, ldr=0)
_get_ifd_extra_items(fp)
_get_ifd_dictionary_keys_and_items(fp, offset, ldr=0)
_get_ifd_extra_keys_and_items(fp)
_getexif(self)
_getmp(self)
_getexif_1(self)
_getexif_2(self)
_getexif_3(self)
_getexif_4(self)
_getexif_5(self)
_getexif_6(self)
_getexif_7(self)
_getexif_8(self)
_getexif_9(self)
_getexif_10(self)
_getexif_11(self)
_getexif_12(self)
_getexif_13(self)
_getexif_14(self)
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_getexif_38(self)
_getexif_39(self)
_getexif_40(self)