

<?php

```
$imagefile = 'foo.bar';
$imagesize = getimagesize($imagefile);
$imagewidth = $imagesize[0];
$imageheight = $imagesize[1];
$imagetype = $imagesize[2];
switch ($imagetype)
{
    // Bedeutung von $imagetype:
    // 1 = GIF, 2 = JPG, 3 = PNG, 4 = SWF, 5 = PSD, 6 = BMP, 7 = TIFF(intel byte order), 8 =
    // TIFF(motorola byte order), 9 = JPC, 10 = JP2, 11 = JPX, 12 = JB2, 13 = SWC, 14 = IFF, 15
    // = WBMP, 16 = XBM
    case 1: // GIF
        $image = imagecreatefromgif($imagefile);
        break;
    case 2: // JPEG
        $image = imagecreatefromjpeg($imagefile);
        break;
    case 3: // PNG
        $image = imagecreatefrompng($imagefile);
        break;
    default:
        die('Unsupported imageformat');
}
// Maximalausmaße
$maxthumbwidth = 150;
$maxthumbheight = 100;
// Ausmaße kopieren, wir gehen zuerst davon aus, dass das Bild schon Thumbnailgröße hat
$thumbwidth = $imagewidth;
$thumbheight = $imageheight;
// Breite skalieren falls nötig
if ($thumbwidth > $maxthumbwidth)
{
    $factor = $maxthumbwidth / $thumbwidth;
    $thumbwidth *= $factor;
    $thumbheight *= $factor;
}
// Höhe skalieren, falls nötig
if ($thumbheight > $maxthumbheight)
{
    $factor = $maxthumbheight / $thumbheight;
    $thumbwidth *= $factor;
    $thumbheight *= $factor;
}
// Thumbnail erstellen
$thumb = imagecreatetruecolor($thumbwidth, $thumbheight);
imagecopyresampled(
    $thumb,
    $image,
    0, 0, 0, 0, // Startposition des Ausschnittes
    $thumbwidth, $thumbheight,
    $imagewidth, $imageheight
);
header('Content-Type: image/png');
imagepng($thumb);
// In Datei speichern
// $thumbfile = 'thumbs/' . $imagefile;
// imagepng($thumb, $thumbfile);
imagedestroy($thumb);
```

?>