Version for Windows NT/9x/2000/Xp/Vista/7 (All rights reserved)

\*\* This is freeware software (for non-commercial use)

The JPEG code is based in part on the work of the Independent JPEG Group's software.

The PNG code is based in part on the work of the Group 42, Inc.

This software is based in part on compression library of Jean-loup Gailly and Mark Adler

Usage : nconvert [options] file ...

Options :

-quiet : Quiet mode

-info : Display informations only

-fullinfo : Display informations & metadata only

-v[.] : Verbose

-in format : Input format number or -1

-page num : Page/image number

-xall : Extract all images

-multi : Create a multi-page (TIFF/DCX/LDF only)

-npcd num : PCD 0:192x128, 1:384x256, 2:768x512 (default)

-ngrb npic : HP-48 number of grey : 1, 2 or 4 (default : 1)

-no# : # not used for numeric operator

-org\_depth : Load with original depth

-older n : Convert only if older than n days

-clipboard : Import from clipboard

-overwrite : Overwrite existing file

-ignore\_errors : Ignore errors

-no\_auto\_ext : Don't add extension to output filename

-ctype type : Channel Type (Raw)

grey : Greyscale (default)

rgb : Red,Green,Blue

bgr : Blue,Green,Red

rgba : Red,Green,Blue,Alpha

abgr : Alpha,Blue,Green,Red

cmy : Cyan,Magenta,Yellow

cmyk : Cyan,Magenta,Yellow,Black

-corder order : Channel Order (Raw)

inter : Interleaved (default)

seq : Sequential

sep : Separate

-size geometry : Width and height (Raw/YUV)

Geometry is widthxheight+offset

-l file : Use file as filelist

-n start end step : Begin End Step (for image sequence)

-o filename : Output filename

Use # to specify position of numeric enumerator

Use % to specify source filename

Use $ to specify full source pathname

Use $$ to specify source folder name

-out format : Output format name

-D : Delete original picture

-c value : Compression number (default : 0)

PDF : 1 (Fax), 2 (Rle), 3 (LZW), 4(ZIP), 5 (JPEG)

TIFF : 1 (Rle), 2 (LZW), 3 (LZW+Prediction)

4 (ZLIB)

5 (CCITT G3), 6 (CCITT G3-2D), 7 (CCITT G4) only B/W

8 (JPEG) only 24/32 bits

TARGA, Softimage, SGI, PCX, IFF, BMP : 1 (Rle)

-c\_bw value : Compression number for black&white picture (default : 0)

-c\_grey value : Compression number for greyscale picture (default : 0)

-c\_rgb value : Compression number for color picture (default : 0)

-q value : JPEG/PNG/FPX/WIC/PDF quality (default : 100)

-clevel value : PNG Compression level (default : 6)

-i : Interlaced GIF / Progressive JPEG

-icc : Use ICC Profile

-keep\_icc : Keep ICC Profile from original file

-icc\_in filename : Input color profile

-icc\_out filename : Output color profile

-icc\_intent value : Intent value

-icc\_bcp : Black point compensation

-icc\_ie : Ignore embedded ICC profile

-add\_alpha value : Add alpha channel (24bits)

-merge\_alpha : Merge alpha by using 'transparent color' (32bits)

-set\_alpha : Add alpha by using 'transparent color' (32bits)

-transparent value: Transparency index (GIF/PNG)

-transpcolor red green blue: Transparency color (GIF/PNG)

-opthuff : Optimize Huffman Table (JPEG)

-dct value : DCT method

0 : Slow

1 : Fast

2 : Float

-smoothingf value : Smoothing factor (0-10)

-subsampling value : Subsampling factor

0 : 2x2,1x1,1x1

1 : 2x1,1x1,1x1

2 : 1x1,1x1,1x1

-comp\_ratio value: Compress ratio (JPEG2K)

-max\_filesize value: Maximum filesize (JPEG2K)

-bgcolor red green blue: Background color (for rotate/canvas)

-dpi res\_dpi : Set the resolution in DPI

-keepdocsize : Resize bitmap function of the old and new DPI value

-keepfiledate : Keep original file data/time

-keepcspace : Keep original color space if possible

-cmyk\_space : Convert if possible in CMYK space

-jpegtrans op : JPEG lossless transformations

rot90 : Rotate 90 degrees

rot180 : Rotate 180 degrees

rot270 : Rotate 270 degrees

exif : Use orientation EXIF tag

vflip : Flip vertical

hflip : Flip horizontal

-jpegcrop x y w h : JPEG lossless crop

-clean value : JPEG Clean Metadata (EXIF/IPTC/...)

1 : Comment

2 : EXIF

4 : XMP

8 : EXIF thumbnail

16 : IPTC

32 : ICC Profile

64 : Other markers

-rmeta : Remove Metadata (EXIF/IPTC/...)

-rexifthumb : Remove EXIF thumbnail

-buildexifthumb : Try to rebuild EXIF thumbnail

-exif\_orient value : Set EXIF orientation value

1 = Horizontal

2 = Mirror horizontal

3 = Rotate 180

4 = Mirror vertical

5 = Mirror horizontal and rotate 270 CW

6 = Rotate 90 CW

7 = Mirror horizontal and rotate 90 CW

8 = Rotate 270 CW

-iptc\_print tag : Print IPTC tag value

-iptc\_clear tag : Erase IPTC tag

-iptc\_set tag value : Set value to IPTC tag

-iptc\_add tag value : Add value to IPTC tag

-thumb width height : Extract thumbnail

-use\_cie : Use CIE Colors (PS/EPS/PDF ghostscript)

-wflag flag : Write flag

os2 : Write OS/2 bmp

gif87 : Write GIF87a

hp49 : Write HP49

-half\_res : Load half resolution (Camera RAW)

-ascii : Ascii (PPM)

-one\_strip : One strip (TIFF)

-jxr\_color value : JpegXR color format (yuv444, yuv422, yuv420)

-jxr\_filter value : JpegXR block filtering

0: off, 1: HP, 2:all

-gam value : Gamma (EXR, HDRI), default=1.0

-raw\_autobalance : Auto balance (Camera RAW)

-raw\_camerabalance : Camera balance (Camera RAW)

-raw\_autobright : Auto brightness (Camera RAW)

-raw\_gamma value : Gamma (Camera RAW), default=0.6

-raw\_brightness value : Brighness (Camera RAW), default=0.8

-raw\_redscale value : Red scaling (Camera RAW)

-raw\_bluescale value : Blue scaling (Camera RAW)

-ilut file : Input LUT file (DPX/Cineon)

-olut file : Output LUT file (DPX/Cineon)

-wmfile file : Watermark file

-wmpos x y : Watermark position

-wmflag flag : Watermark position

top-left, top-center, top-right

center-left, center, center-right

bottom-left, bottom-center, bottom-right

-wmopacity value : Watermark opacity (0-100)

-wmstretch : Stretch image

Process :

-32bits : Convert in 32bits

-average size : Average (3,5,7,9,11,13)

-autocrop tol r g b : Auto Crop

-autocontrast : Auto Contrast

-autodeskew r g b : Auto Deskew

-autolevels : Auto Levels

-balance r g b : Color balance

-binary dither : Convert in Binary

pattern : Ordered pattern

floyd : Floyd steinberg

halft45 : Halftone 45

halft90 : Halftone 90

nodither : No dithering

-blur percent : Blur (1...100)

-brightness value : Modify brightness (-100...100)

-canvas w h pos : Resize canvas

w h can be percent (ex: -resize 100% 200%)

or #x #y for offset

pos top-left, top-center, top-right

center-left, center, center-right

bottom-left, bottom-center, bottom-right

-conbright value : Modify brightness (-100...100)

-colours num

-colors num : Convert in Indexed Colors (256, 216, 128, 64, 32, 16 or 8)

-contrast value : Modify contrast (-100...100)

-crop x y w h : Crop

-dither : Use Bayer dithering for conversion (Colors and Grey only)

-deinter k n : De-interlace

k : even or odd

n : dup or int

-edetail : Enhance detail

-eedge percent : Enhance edges (1...100)

-edgedetect type : Edge detect

light/medium/heavy

-efocus : Enhance focus

-emboss : Emboss

-embossmore : Emboss more

-equalize : Equalize

-floyd : Use floydSteinberg dithering for conversion (Colors and Grey only)

-frestore : Focus restoration

-gamma value : Modify gamma (0.01<->5.0

-gammasat value : Modify gamma (0.01<->5.0

-gauss size : Blur gaussian (3,5,7,9,11,13)

-grey num : Convert in Grey Scale (256, 128, 64, 32, 16, 8 or 4)

-hls h l s : Adjust Hue Lightness Saturation

-lens percent : Lens (1...100)

-levels b w : Levels

-log : Apply logarithmic correction

-maximum size : Maximum filter (3,5,7,9,11,13)

-medianb size : Median Box filter (3,5,7,9,11,13)

-medianc size : Median Cross filter (3,5,7,9,11,13)

-minimum size : Minimum filter (3,5,7,9,11,13)

-mosaic size : Mosaic (1...64)

-negate : Negate

-new bpp w h : Create new bitmap

-noise reduce : Reduce noise

-noise type value

uniform : Add uniform noise

gaussian : Add gaussian noise

laplacian : Add laplacian noise

poisson : Add poisson noise

-normalize : Normalize

-oil size : Oilify (1...16)

-posterize count : Posterize (2...256)

-ratio : Keep the ratio for scaling

-replace r g b r g b : Replace color

-rtype : Type of resampling

quick : Quick resize

linear : Bi-linear (linear)

hermite : Hermite

gaussian : Gaussian

bell : Bell

bspline : Bspline

mitchell : Mitchell

lanczos : Lanczos

-rflag : Flag for resizing

incr : Increase only

decr : Decrease only

orient : Follow orientation

-resize w h : Scale width-height

w h can be percent (ex: -resize 100% 200%)

-resize longest size : Scale longest side

-resize shortest size : Scale shortest side

-rotate\_flag : Rotate flags

smooth : Use smooth rotate

-rotate degrees : Rotate

-sepia percent : Sepia

-sharpen percent : Sharpen (1...100)

-shear : Shear

-slice : Slice

-soften percent : Soften (1...100)

-solarize value : Solarize (1...255)

-spread amount : Spread (1...32)

-swap type : Swap component

rbg : RGB->RBG

bgr : RGB->BGR

brg : RGB->BRG

grb : RGB->GRB

gbr : RGB->GBR

-swirl degrees : Swirl (1...360)

-text string : Add a text

-text\_font name size : Font name and size

-text\_color r g b : Text color

-text\_back r g b : Text background color

-text\_flag pos : Position of text

top-left, top-center, top-right

center-left, center, center-right

bottom-left, bottom-center, bottom-right

-text\_pos x y : Position or offset

-text\_rotation degrees : Rotation

-tile size : Tile (1...64)

-truecolors

-truecolours : Convert in True Colors

-xflip : Flip horizontal

-yflip : Flip vertical

-waves wavelength phase amount : Waves

wavelength : (1.0 50.0)

phase : (0.0 360.0)

amount : (0.0 100.0)