**Basic Formats**

basn0g01 – black & white

basn0g02 – 2-bit (4 level) grayscale

basn0g04 – 4-bit (16 level) grayscale

basn0g08 – 8-bit (256 level) grayscale

basn0g16 – 16-bit (64k level) grayscale

basn2c08 – 3x8 bits RGB colour

basn2c16 – 3x16 bits RGB colour

basn3p01 – 1-bit (2 colour) palleted

basn3p02 – 2-bit (4 colour) palleted

basn3p04 – 4-bit (16 colour) palleted

basn3p08 – 8-bit (256 colour) palleted

basn4a08 – 8-bit grayscale + 8-bit alpha channel

basn4a16 – 16-bit grayscale + 16-bit alpha channel

basn6a08 – 3x8 bits RGB colour + 8-bit alpha channel

basn6a16 – 3x16 bits RGB colour + 16-bit alpha channel

**Interlacing**

basi0g01 – black & white

basi0g02 – 2-bit (4 level) grayscale

basi0g04 – 4-bit (16 level) grayscale

basi0g08 – 8-bit (256 level) grayscale

basi0g16 – 16-bit (64k level) grayscale

basi2c08 – 3x8 bits RGB colour

basi2c16 – 3x16 bits RGB colour

basi3p01 – 1-bit (2 colour) palleted

basi3p02 – 2-bit (4 colour) palleted

basi3p04 – 4-bit (16 colour) palleted

basi3p08 – 8-bit (256 colour) palleted

basi4a08 – 8-bit grayscale + 8-bit alpha channel

basi4a16 – 16-bit grayscale + 16-bit alpha channel

basi6a08 – 3x8 bits RGB colour + 8-bit alpha channel

basi6a16 – 3x16 bits RGB colour + 16-bit alpha channel

**Odd Sizes – Interlaced**

s01i3p01 – 1x1 palleted file, interlaced

s02i3p01 – 2x2 palleted file, interlaced

s03i3p01 – 3x3 palleted file, interlaced

s04i3p01 – 4x4 palleted file, interlaced

s05i3p02 – 5x5 palleted file, interlaced

s06i3p02 – 6x6 palleted file, interlaced

s07i3p02 – 7x7 palleted file, interlaced

s08i3p02 – 8x8 palleted file, interlaced

s09i3p02 – 9x9 palleted file, interlaced

s32i3p04 – 32x32 palleted file, interlaced

s33i3p04 – 33x33 palleted file, interlaced

s34i3p04 – 34x34 palleted file, interlaced

s35i3p04 – 35x35 palleted file, interlaced

s36i3p04 – 36x36 palleted file, interlaced

s37i3p04 – 37x37 palleted file, interlaced

s38i3p04 – 38x38 palleted file, interlaced

s39i3p04 – 39x39 palleted file, interlaced

s40i3p04 – 40x40 palleted file, interlaced

**Odd Sizes – No Interlacing**

s01n3p01 – 1x1 palleted file, no interlacing

s02n3p01 – 2x2 palleted file, no interlacing

s03n3p01 – 3x3 palleted file, no interlacing

s04n3p01 – 4x4 palleted file, no interlacing

s05n3p02 – 5x5 palleted file, no interlacing

s06n3p02 – 6x6 palleted file, no interlacing

s07n3p02 – 7x7 palleted file, no interlacing

s08n3p02 – 8x8 palleted file, no interlacing

s09n3p02 – 9x9 palleted file, no interlacing

s32n3p04 – 32x32 palleted file, no interlacing

s33n3p04 – 33x33 palleted file, no interlacing

s34n3p04 – 34x34 palleted file, no interlacing

s35n3p04 – 35x35 palleted file, no interlacing

s36n3p04 – 36x36 palleted file, no interlacing

s37n3p04 – 37x37 palleted file, no interlacing

s38n3p04 – 38x38 palleted file, no interlacing

s39n3p04 – 39x39 palleted file, no interlacing

s40n3p04 – 40x40 palleted file, no interlacing

**Background Colours**

bgai4a08 – 8-bit grayscale, alpha, no background chunk, interlaced

bgai4a16 – 16-bit grayscale, alpha, no background chunk, interlaced

bgan6a08 – 3x8 bits RGB colour, alpha, no background chunk

bgan6a16 – 3x16 bits RGB colour, alpha, no background chunk

bgbn4a08 – 8-bit grayscale, alpha, black background chunk

bggn4a16 – 16-bit grayscale, alpha, gray background chunk

bgwn6a08 – 3x8 bits RGB colour, alpha, white background chunk

bgyn6a16 – 3x16 bits RGB colour, alpha, yellow background chunk

**Transparency**

tbbn0g04 – transparent, black background chunk

tbbn2c16 – transparent, blue background chunk

tbbn3p08 – transparent, black background chunk

tbgn2c16 – transparent, green background chunk

tbgn3p08 – transparent, light-grey background chunk

tbrn2c08 – transparent, red background chunk

tbwn0g16 – transparent, white background chunk

tbwn3p08 – transparent, white background chunk

tbyn3p08 – transparent, yellow background chunk

tp0n0g08 – not transparent for reference (logo on grey)

tp0n2c08 – not transparent for reference (logo on grey)

tp0n3p08 – not transparent for reference (logo on grey)

tp1n3p08 – transparent, but no background chunk

tm3n3p02 – multiple levels of transparency, 3 entries

**Gamma Values**

g03n0g16 – grayscale, file-gamma = 0.35

g03n2c08 – colour, file-gamma = 0.35

g03n3p04 – palleted, file-gamma = 0.35

g04n0g16 – grayscale, file-gamma = 0.45

g04n2c08 – colour, file-gamma = 0.45

g04n3p04 – palleted, file-gamma = 0.45

g05n0g16 – grayscale, file-gamma = 0.55

g05n2c08 – colour, file-gamma = 0.55

g05n3p04 – palleted, file-gamma = 0.55

g07n0g16 – grayscale, file-gamma = 0.70

g07n2c08 – colour, file-gamma = 0.70

g07n3p04 – palleted, file-gamma = 0.70

g10n0g16 – grayscale, file-gamma = 1.00

g10n2c08 – colour, file-gamma = 1.00

g10n3p04 – palleted, file-gamma = 1.00

g25n0g16 – grayscale, file-gamma = 2.50

g25n2c08 – colour, file-gamma = 2.50

g25n3p04 – palleted, file-gamma = 2.50

**Image Filtering**

f00n0g08 – grayscale, no interlacing, filter-type 0

f00n2c08 – colour, no interlacing, filter-type 0

f01n0g08 – grayscale, no interlacing, filter-type 1

f01n2c08 – colour, no interlacing, filter-type 1

f02n0g08 – grayscale, no interlacing, filter-type 2

f02n2c08 – colour, no interlacing, filter-type 2

f03n0g08 – grayscale, no interlacing, filter-type 3

f03n2c08 – colour, no interlacing, filter-type 3

f04n0g08 – grayscale, no interlacing, filter-type 4

f04n2c08 – colour, no interlacing, filter-type 4

f99n0g04 – grayscale, bit-depth 4, filter changing per scanline

**Additional Palettes**

pp0n2c16 – six-cube palette-chunk in true-colour image

pp0n6a08 – six-cube palette-chunk in true-colour + alpha image

ps1n0g08 – six-cube suggested palette (1 byte) in grayscale image

ps1n2c16 – six-cube suggested palette (1 byte) in true-colour image

ps2n0g08 – six-cube suggested palette (2 bytes) in grayscale image

ps2n2c16 – six-cube suggested palette (2 bytes) in true-colour image

**Ancillary Chunks**

ccwn2c08 – chroma chunk w:0.3127,0.3290 r:0.64,0.33 g:0.30,0.60 b:0.15,0.06

ccwn3p08 – chroma chunk w:0.3127,0.3290 r:0.64,0.33 g:0.30,0.60 b:0.15,0.06

cdfn2c08 – physical pixel dimensions, 8x32 flat pixels

cdhn2c08 – physical pixel dimensions, 32x8 high pixels

cdsn2c08 – physical pixel dimensions, 8x8 square pixels

cdun2c08 – physical pixel dimensions, 1000 pixels per 1 meter

ch1n3p04 – histogram 15 colours

ch2n3p08 – histogram 256 colours

cm0n0g04 – modification time, 01-jan-2000 12:34:56

cm7n0g04 – modification time, 01-jan-1970 00:00:00

cm9n0g04 – modification time, 31-dec-1999 23:59:59

cs3n2c16 – colour, 13 significant bits

cs3n3p08 – palleted, 3 significant bits

cs5n2c08 – colour, 5 significant bits

cs5n2p08 – palleted, 5 significant bits

cs8n2c08 – colour, 8 significant bits (reference)

cs8n3p08 – palleted, 8 significant bits (reference)

ct0n0g04 – no textual data

ct1m0g04 – with textual data

ctzn0g04 – with compressed textual data

cten0g04 – international UTF-8, English

ctfn0g04 – international UTF-8, Finnish

ctgn0g04 – international UTF-8, Greek

cthn0g04 – international UTF-8, Hindi

ctjn0g04 – international UTF-8, Japanese

exif2c08 – chunk with jpeg exif data

**Chunk Order**

oi1n0g16 – grayscale mother image with 1 IDAT-chunk

oi1n2c16 – colour mother image with 1 IDAT-chunk

oi2n0g16 – grayscale image with 2 IDAT-chunks

oi2n2c16 – colour image with 2 IDAT-chunks

oi4n0g16 – grayscale image with 4 unequal sized IDAT-chunks

oi4n2c16 – colour image with 4 unequal sized IDAT-chunks

oi9n0g16 – grayscale image with all IDAT-chunks length 1

oi9n2c16 – colour image with all IDAT-chunks length 1

**ZLib Compression**

z00n2c08 – colour, no interlacing, compression level 0 (none)

z03n2c08 – colour, no interlacing, compression level 3

z06n2c08 – colour, no interlacing, compression level 6 (default)

z09n2c08 – colour, no interlacing, compression level 9 (maximum)

**Corrupted Files**

xs1n0g01 – signature bit 1 MSBit reset to zero

xs2n0g01 – signature byte 2 is a ‘Q’

xs4n0g01 – signature byte 4 lowercase

xs7n0g01 – 7th byte a space instead of control-Z

xcrn0g04 – added cr bytes

xlfn0g04 – added lf bytes

xhdn0g08 – incorrect IHDR checksum

xc1n0g08 – colour type 1

xc9n2c08 – colour type 9

xd0n2c08 – bit-depth 0

xd3n2c08 – bit-depth 3

xd9n2c08 – bit-depth 99

xdtn0g01 – missing IDAT chunk

xcsn0g01 – incorrect IDAT checksum

**PNG Suite**

* [PngSuite - the official set of PNG test images (schaik.com)](http://www.schaik.com/pngsuite/#basic)