

PNG Test Suite

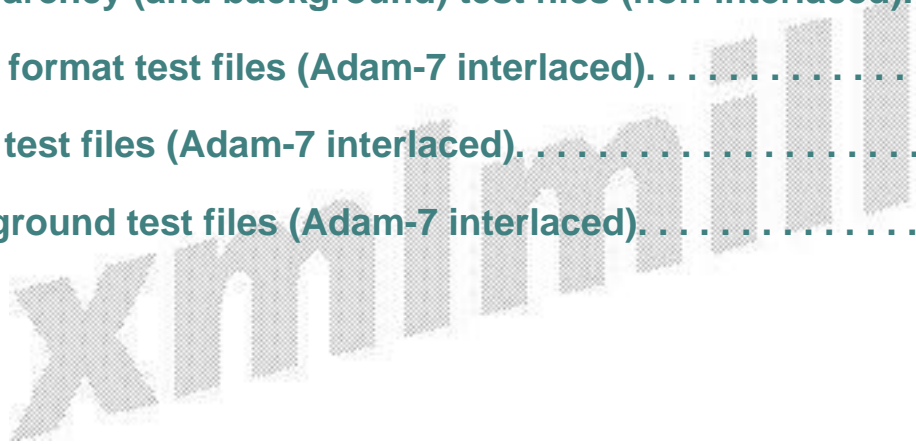


From the [PNG Suite](#) from Willem van Schaik



Table of Contents

1. Basic format test files (non-interlaced).....	3
2. Sizes test files (non-interlaced).....	5
3. Gamma test files (non-interlaced).....	7
4. Chunk ordering (non-interlaced).....	9
5. Compression level (non-interlaced).....	10
6. Filtering test files (non-interlaced).....	11
7. Additional palette chunk test files (non-interlaced).....	12
8. Ancillary chunks test files (non-interlaced).....	13
9. Transparency (and background) test files (non-interlaced)...	15
10. Basic format test files (Adam-7 interlaced).....	17
11. Sizes test files (Adam-7 interlaced).....	19
12. Background test files (Adam-7 interlaced).....	21



1. Basic format test files (non-interlaced)

[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 color](#)



[basn4a08 - 8 bit grayscale + 8 bit alpha-channel](#)



[basn2c16 - 3x16 bits rgb color](#)



[basn3p01 - 1 bit \(2 color\) paletted](#)



[basn3p02 - 2 bit \(4 color\) paletted](#)



[basn3p04 - 4 bit \(16 color\) paletted](#)



[basn3p08 - 8 bit \(256 color\) paletted](#)



[basn4a16 - 16 bit grayscale + 16 bit alpha-channel](#)

xmlmill



[basn6a08 - 3x8 bits rgb color + 8 bit alpha-channel](#)



[basn6a16 - 3x16 bits rgb color + 16 bit alpha-channel](#)



xmlmill

2. Sizes test files (non-interlaced)

[s01n3p01 - 1x1 paletted file, no interlacing](#)

.

[s02n3p01 - 2x2 paletted file, no interlacing](#)

■

[s03n3p01 - 3x3 paletted file, no interlacing](#)

■

[s04n3p01 - 4x4 paletted file, no interlacing](#)

■

[s05n3p02 - 5x5 paletted file, no interlacing](#)

■

[s06n3p02 - 6x6 paletted file, no interlacing](#)

■

[s07n3p02 - 7x7 paletted file, no interlacing](#)

■

[s08n3p02 - 8x8 paletted file, no interlacing](#)

■

[s09n3p02 - 9x9 paletted file, no interlacing](#)

■

[s32n3p04 - 32x32 paletted file, no interlacing](#)



[s33n3p04 - 33x33 paletted file, no interlacing](#)



[s34n3p04 - 34x34 paletted file, no interlacing](#)



[s35n3p04 - 35x35 paletted file, no interlacing](#)



[s36n3p04 - 36x36 paletted file, no interlacing](#)



[s37n3p04 - 37x37 paletted file, no interlacing](#)



[s38n3p04 - 38x38 paletted file, no interlacing](#)



[s39n3p04 - 39x39 paletted file, no interlacing](#)



[s40n3p04 - 40x40 paletted file, no interlacing](#)



xmlmill

3. Gamma test files (non-interlaced)

[g03n0g16 - grayscale, file-gamma = 0.35](#)



[g03n2c08 - color, file-gamma = 0.35](#)



[g03n3p04 - paletted, file-gamma = 0.35](#)



[g04n0g16 - grayscale, file-gamma = 0.45](#)



[g04n2c08 - color, file-gamma = 0.45](#)



[g04n3p04 - paletted, file-gamma = 0.45](#)



[g05n0g16 - grayscale, file-gamma = 0.55](#)



[g05n2c08 - color, file-gamma = 0.55](#)



[g05n3p04 - paletted, file-gamma = 0.55](#)



[g07n0g16 - grayscale, file-gamma = 0.70](#)



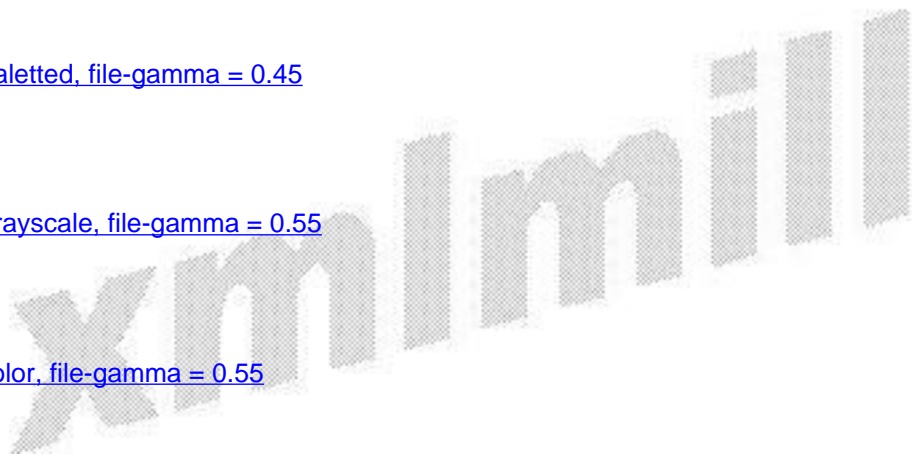
[g07n2c08 - color, file-gamma = 0.70](#)



[g07n3p04 - paletted, file-gamma = 0.70](#)



[g10n0g16 - grayscale, file-gamma = 1.00](#)





[g10n2c08 - color, file-gamma = 1.00](#)



[g10n3p04 - paletted, file-gamma = 1.00](#)



[g25n0g16 - grayscale, file-gamma = 2.50](#)



[g25n2c08 - color, file-gamma = 2.50](#)



[g25n3p04 - paletted, file-gamma = 2.50](#)



xmlmill

4. Chunk ordering (non-interlaced)

[oi1n0g16 - grayscale mother image with 1 idat-chunk](#)



[oi1n2c16 - color mother image with 1 idat-chunk](#)



[oi2n0g16 - grayscale image with 2 idat-chunks](#)



[oi2n2c16 - color image with 2 idat-chunks](#)



[oi4n0g16 - grayscale image with 4 unequal sized idat-chunks](#)



[oi4n2c16 - color image with 4 unequal sized idat-chunks](#)



[oi9n0g16 - grayscale image with all idat-chunks length one](#)



[oi9n2c16 - color image with all idat-chunks length one](#)



xmlmill

5. Compression level (non-interlaced)

[z00n2c08 - color, no interlacing, compression level 0 \(none\)](#)



[z03n2c08 - color, no interlacing, compression level 3](#)



[z06n2c08 - color, no interlacing, compression level 6 \(default\)](#)



[z09n2c08 - color, no interlacing, compression level 9 \(maximum\)](#)



xmlmill

6. Filtering test files (non-interlaced)

[f00n0g08 - grayscale, no interlacing, filter-type 0](#)



[f00n2c08 - color, no interlacing, filter-type 0](#)



[f01n0g08 - grayscale, no interlacing, filter-type 1](#)



[f01n2c08 - color, no interlacing, filter-type 1](#)



[f02n0g08 - grayscale, no interlacing, filter-type 2](#)



[f02n2c08 - color, no interlacing, filter-type 2](#)



[f03n0g08 - grayscale, no interlacing, filter-type 3](#)



[f03n2c08 - color, no interlacing, filter-type 3](#)



[f04n0g08 - grayscale, no interlacing, filter-type 4](#)



[f04n2c08 - color, no interlacing, filter-type 4](#)



xmlmill

7. Additional palette chunk test files (non-interlaced)

[pp0n0g08 - six-cube palette-chunk in grayscale image](#)



[pp0n2c16 - six-cube palette-chunk in true-color image](#)



[ps1n0g08 - six-cube suggested palette \(1 byte\) in grayscale image](#)



[ps1n2c16 - six-cube suggested palette \(1 byte\) in true-color image](#)



[ps2n0g08 - six-cube suggested palette \(2 bytes\) in grayscale image](#)



[ps2n2c16 - six-cube suggested palette \(2 bytes\) in true-color image](#)



xmlmill

8. Ancillary chunks test files (non-interlaced)

[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](#)



[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](#)



[ch1n3p04 - histogram 15 colors](#)



[ch2n3p08 - histogram 256 colors](#)



[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 - color, 13 significant bits](#)



[cs3n3p08 - paletted, 3 significant bits](#)



[cs5n2c08 - color, 5 significant bits](#)



[cs5n3p08 - paletted, 5 significant bits](#)



[cs8n2c08 - color, 8 significant bits \(reference\)](#)



[cs8n3p08 - paletted, 8 significant bits \(reference\)](#)



[ct0n0g04 - no textual data](#)



[ct1n0g04 - with textual data](#)



[ctzn0g04 - with compressed textual data](#)



xmlmill

9. Transparency (and background) test files (non-interlaced)

[tbyn3p08 - transparent, yellow background chunk](#)



[tbbn1g04 - transparent, black background chunk](#)



[tbbn2c16 - transparent, blue background chunk](#)



[tbbn3p08 - transparent, black background chunk](#)



[tbgn2c16 - transparent, green background chunk](#)



[tbgn3p08 - transparent, light-gray background chunk](#)



[tbrn2c08 - transparent, red background chunk](#)



[tbwn1g16 - transparent, white background chunk](#)



[tbwn3p08 - transparent, white background chunk](#)



[tp0n1g08 - not transparent for reference \(logo on gray\)](#)



[tp0n2c08 - not transparent for reference \(logo on gray\)](#)



[tp0n3p08 - not transparent for reference \(logo on gray\)](#)



[tp1n3p08 - transparent, but no background chunk](#)



Background test files (with alpha) (non-interlaced)

[bgan6a08 - 3x8 bits rgb color, alpha, no background chunk](#)



[bgan6a16 - 3x16 bits rgb color, alpha, no background chunk](#)



[bgbn4a08 - 8 bit grayscale, alpha, black background chunk](#)



[bggn4a16 - 16 bit grayscale, alpha, gray background chunk](#)



[bgwn6a08 - 3x8 bits rgb color, alpha, white background chunk](#)



[bgyn6a16 - 3x16 bits rgb color, alpha, yellow background chunk](#)



xmlmill

10. Basic format test files (Adam-7 interlaced)

[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 color](#)



[basi2c16 - 3x16 bits rgb color](#)



[basi3p01 - 1 bit \(2 color\) paletted](#)



[basi3p02 - 2 bit \(4 color\) paletted](#)



[basi3p04 - 4 bit \(16 color\) paletted](#)



[basi3p08 - 8 bit \(256 color\) paletted](#)



[basi4a08 - 8 bit grayscale + 8 bit alpha-channel](#)



[basi4a16 - 16 bit grayscale + 16 bit alpha-channel](#)



[basi6a08 - 3x8 bits rgb color + 8 bit alpha-channel](#)



[basi6a16 - 3x16 bits rgb color + 16 bit alpha-channel](#)



xmlmill

11. Sizes test files (Adam-7 interlaced)

[S01I3P01 - 1x1 paletted file, interlaced](#)

.

[S02I3P01 - 2x2 paletted file, interlaced](#)

■

[S03I3P01 - 3x3 paletted file, interlaced](#)

■

[S04I3P01 - 4x4 paletted file, interlaced](#)

■

[S05I3P02 - 5x5 paletted file, interlaced](#)

■

[S06I3P02 - 6x6 paletted file, interlaced](#)

■

[S07I3P02 - 7x7 paletted file, interlaced](#)

■

[S08I3P02 - 8x8 paletted file, interlaced](#)

■

[S09I3P02 - 9x9 paletted file, interlaced](#)

■

[S32I3P04 - 32x32 paletted file, interlaced](#)



[S33I3P04 - 33x33 paletted file, interlaced](#)



[S34I3P04 - 34x34 paletted file, interlaced](#)



[S35I3P04 - 35x35 paletted file, interlaced](#)



[S36I3P04 - 36x36 paletted file, interlaced](#)



[S37I3P04 - 37x37 paletted file, interlaced](#)



[S38I3P04 - 38x38 paletted file, interlaced](#)



[S39I3P04 - 39x39 paletted file, interlaced](#)



[S40I3P04 - 40x40 paletted file, interlaced](#)



xmlmill

12. Background test files (Adam-7 interlaced)

[bgai4a08 - 8 bit grayscale, alpha, no background chunk, interlaced](#)



[bgai4a16 - 16 bit grayscale, alpha, no background chunk, interlaced](#)



xmlmill