PNG transparency test

Examples from http://entropymine.com/jason/testbed/pngtrans/

Not all possible results are shown; there are too many combinations of background colors and shapes of the opaque region. However, I intend to include every result that actually occurs in a mainstream browser. If I am missing any, please let me know.

It's come to my attention that my images which show how alpha transparency should look are not quite perfect in regard to precisely how transparent they are at various points. Rather than try to modify this page to test gamma correction issues as well, I've created a separate test page for that.

This test page was constructed by Jason Summers. Comments may be emailed to jason1@pobox.com.
There are other test pages listed at the PNG web site.

Alpha and palette transparency

Image not readable or empty
Expected result: /images/png/result_ok.gif
[Test image]

(T1) 8-bit palette, includes background color:
Image not readable or empty /images/png/pal_bk.png
[Test image]

(T2) 8-bit palette, no background color: Image not readable or empty
/images/png/pal.png
[Test image]

Image not readable or empty
(T3) 32-bit RGBA, includes background color: /images/png/rgba8_bk.png
[Test image]

Image not readable or empty
(T4) 32-bit RGBA, no background color: /images/png/rgba8.png
[Test image]

Image not readable or empty
(T5) 64-bit RGBA, includes background color: /images/png/rgba16_bk.png
[Test image]

Image not readable or empty
(T6) 64-bit RGBA, no background color: /images/png/rgba16.png
[Test image]

RGB binary transparency

Image not readable or empty
Expected result: /images/png/resultb_ok.gif
[Test image]

Image not readable or empty
(T7) 24-bit RGB, binary transparency, includes background color: /images/png/rgb8_t_bk.png
[Test image]

Image not readable or empty
(T8) 24-bit RGB, binary transparency, no background color: /images/png/rgb8_t.png
[Test image]

Image not readable or empty
(T9) 48-bit RGB, binary transparency, includes background color: /images/png/rgb16_t_bk.png
[Test image]

Image not readable or empty
(T10) 48-bit RGB, binary transparency, no background color: /images/png/rgb16_t.png
[Test image]

Grayscale alpha transparency

Image not readable or empty
Expected result: /images/png/resultga.gif
[Test image]

Image not readable or empty
(G1) 16-bpp grayscale (8 gray + 8 alpha), includes background color: /images/png/gray8a_bk.png
[Test image]

Image not readable or empty
(G2) 16-bpp grayscale (8 gray + 8 alpha), no background color: /images/png/gray8a.png
[Test image]

Image not readable or empty
(G3) 32-bpp grayscale (16 gray + 16 alpha), includes background color: /images/png/gray16a_bk.png
[Test image]

Image not readable or empty
(G4) 32-bpp grayscale (16 gray + 16 alpha), no background color: /images/png/gray16a.png
[Test image]

Grayscale binary transparency

Image not readable or empty
Expected result: /images/png/resultgb.gif
[Test image]

Image not readable or empty
(G5) 8 bpp grayscale (8 gray), includes background color: /images/png/gray8b_bk.png
[Test image]

Image not readable or empty
(G6) 8 bpp grayscale (8 gray), no background color: /images/png/gray8b.png
[Test image]

Image not readable or empty
(G7) 16-bpp grayscale (16 gray), includes background color: /images/png/gray16b_bk.png
[Test image]

Image not readable or empty
(G8) 16-bpp grayscale (16 gray), no background color: /images/png/gray16b.png
[Test image]

Miscellaneous

(M1) 8-bit palette, no transparency, includes background color:
Expected result: Image not readable or empty /images/png/result_ok.gif
[Test image]
Image not readable or empty /images/png/pal_bk_notrns.png
[Test image]

(M2) (4-bit) palette, binary transparency only, no background color:
Expected result: Image not readable or empty /images/png/resultble_okegif
[Test image]
Image not readable or empty /images/png/palb.png
[Test image]

(This tests a few things that may have slipped through the cracks.)