Hello — and thanks for taking a look at my work!

My name is Rich Kurz and I am an experienced graphics design professional. My philosophy has grown simpler through the years. Good design is not about me, but about us. I want to do good work that serves the needs of my client and that I am proud to put in my portfolio. This pdf shows some of my capabilities.

Note that all concepts and initial drawings are owned by Hewlett-Packard Co. The images in this document are my own and are under copyright to Rich Kurz.

Perhaps my first tour-de-force in Photoshop was the cover image for "Reviewing" and Testing Desktop Scanners". It involved elements both scanned and created in the program, and then all layered together. It took three days using Photoshop 2.1 on a Mac IIfx with an 80 MB HD. The layers feature of Photoshop 3 was a HUGE. advance! Just as good were the spot illustrations that visually explained the different terms described in this guide.

The guide itself was a marketing piece written by an engineer from the scanner division for other engineers who would review the product. So the drawings all had to be technically accurate. It was a good introduction and I learned how scanners really worked. I even got to talk with Baxter Black to secure permission to use one of his cartoons!

The document went thru a revision the next year. The leather look was scanned from a green stamp album and then color shifted. I incorporated scanned images into the original inside spot graphics, which improved their ability to show what was happening.

Two years later, a third revision required another cover design, and would be perfect bound. And this time, the inside images would be in color instead of black and white. I recreated them in color and redesigned the cover, still keeping the original image.

Deliverables: front & rear cover, 81/2"×11" trimmed, spiral bound (1st & 2nd editions), CMYK (plus gloss laminate for the 3rd edition)

Cover created in Photoshop and from scanned images

Spot illustrations created in CorelDraw and Illustrator using scanned images

Provided Matchprint of covers for printer

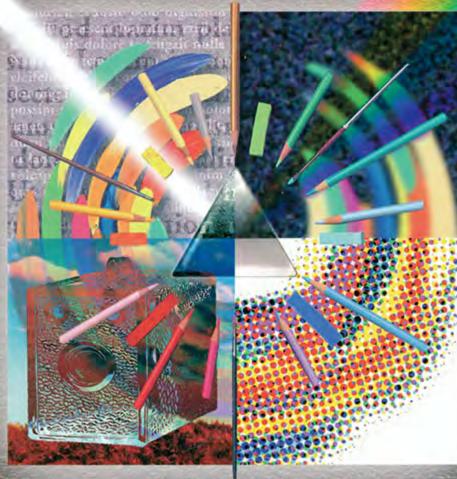
I am available to discuss your design, illustration, marketing, and advertising needs. Let's talk!

Rich Kurz



Reviewing & Testing Desktop Scanners

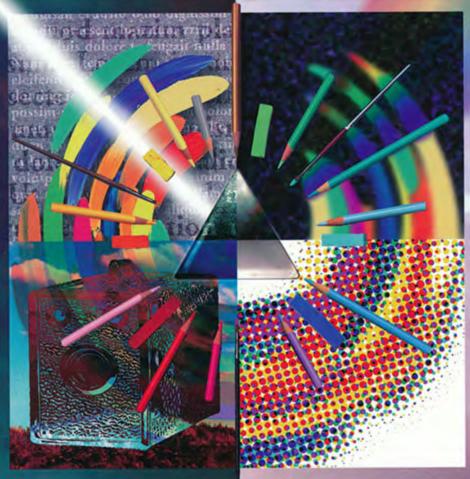




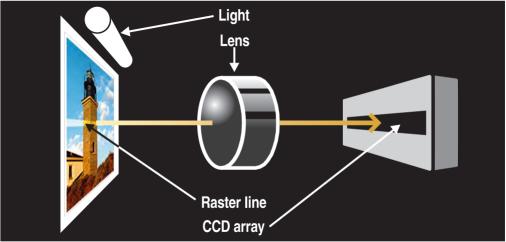
REVIEWING and TESTING DESKTOP SCANNERS

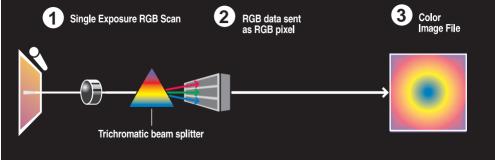
PACKARO

REVIEWING and TESTING DESKTOP SCANNERS

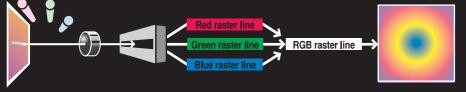


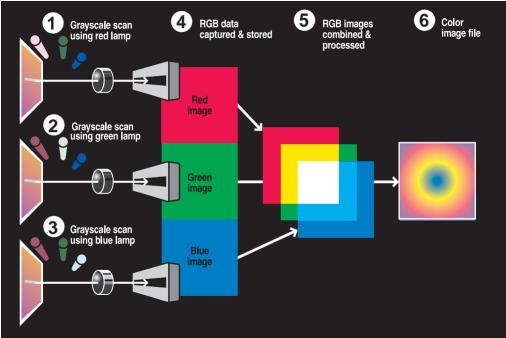


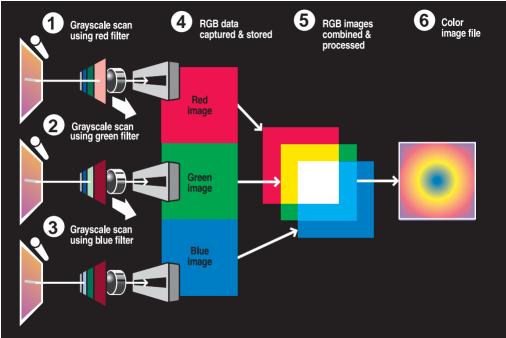


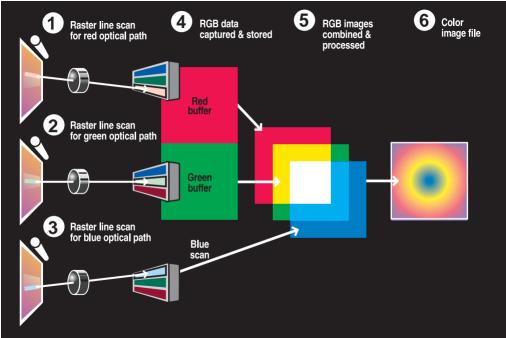


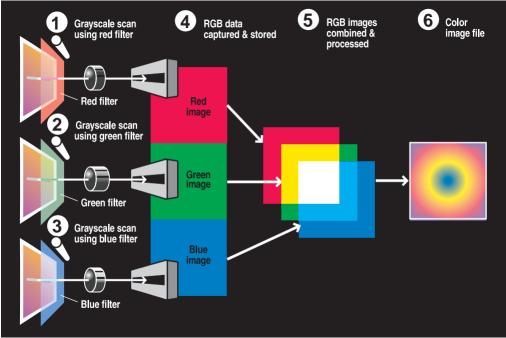


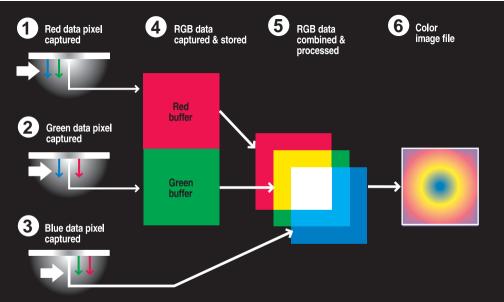


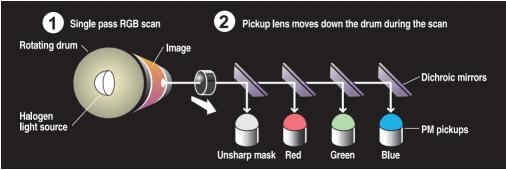


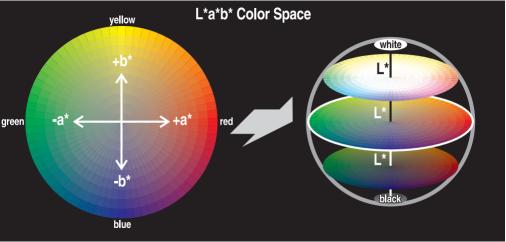


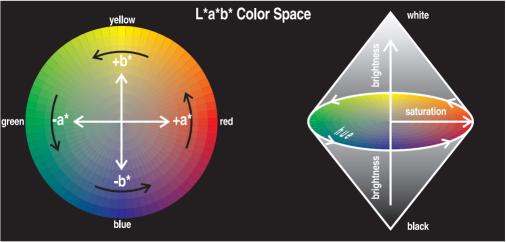


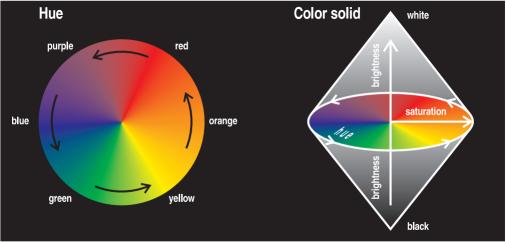


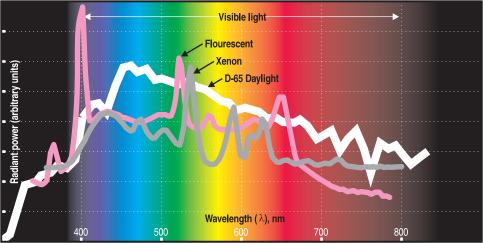










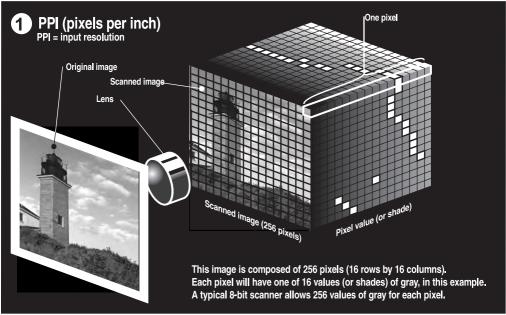


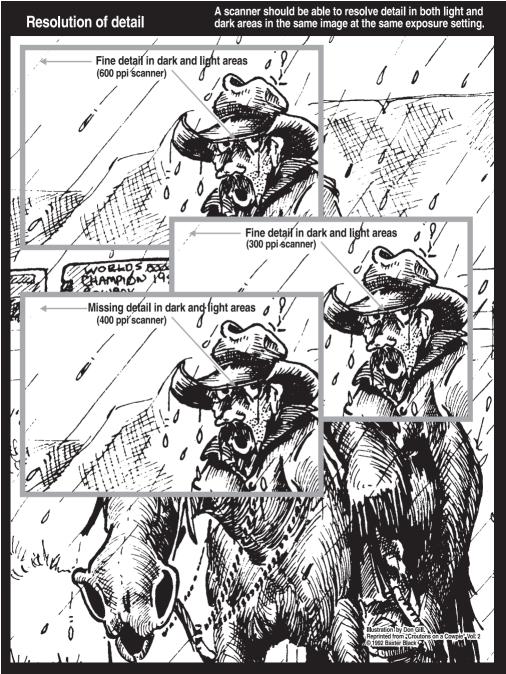
Relationship between Scanned Pixel & Printed Dither

Since black & white output devices (printers) can only print in one color, or shade, halftoning is used to convert an image with shades of gray to one with only black and white values.

Comparison of one scanned pixel with Line screen cells at 25% value steps one halftone cell representing one pixel One halftone cell One scanned 4-bit pixel (25% nearest value) (27% actual value) 25% value 75% value white 50% value black

Instead of using one pixel with 16 values, the printer will use 16 dots (or pixels) with one value each. These 16 pixels become a single cell with 16 possible values and represents a line screen dot.





Jaggies and scaling method





Original image



Scaled by scanner



Scaled in application





Full spectrum grayscale scanning

1 Original color image

2 Green channel only scan



Full spectrum grayscale scan

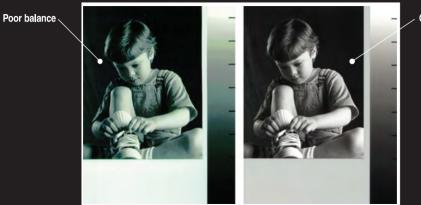
Note the difference in the horses' collars and the red flower and heart.



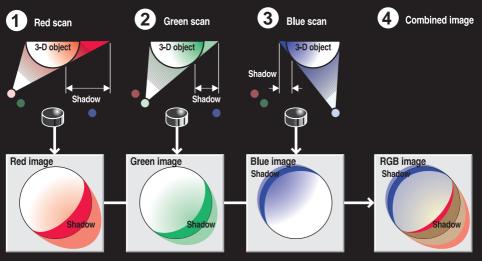




A test for color balance



Good balance





Typical interpolation methods

1 Original image quality



2 Low quality scaling



3 High quality scaling



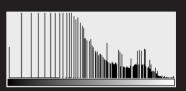
Shadow detail

8-bit scan

10-bit scan







Histogram from the 8-bit scan

Histogram from the 10-bit scan

