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# **Xerox Phaser 8860**

## **Solid Ink Technology**

**Cost-per-Page: Danish øre**  
*“Color for the price of Black & White”*

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David R Spencer, President

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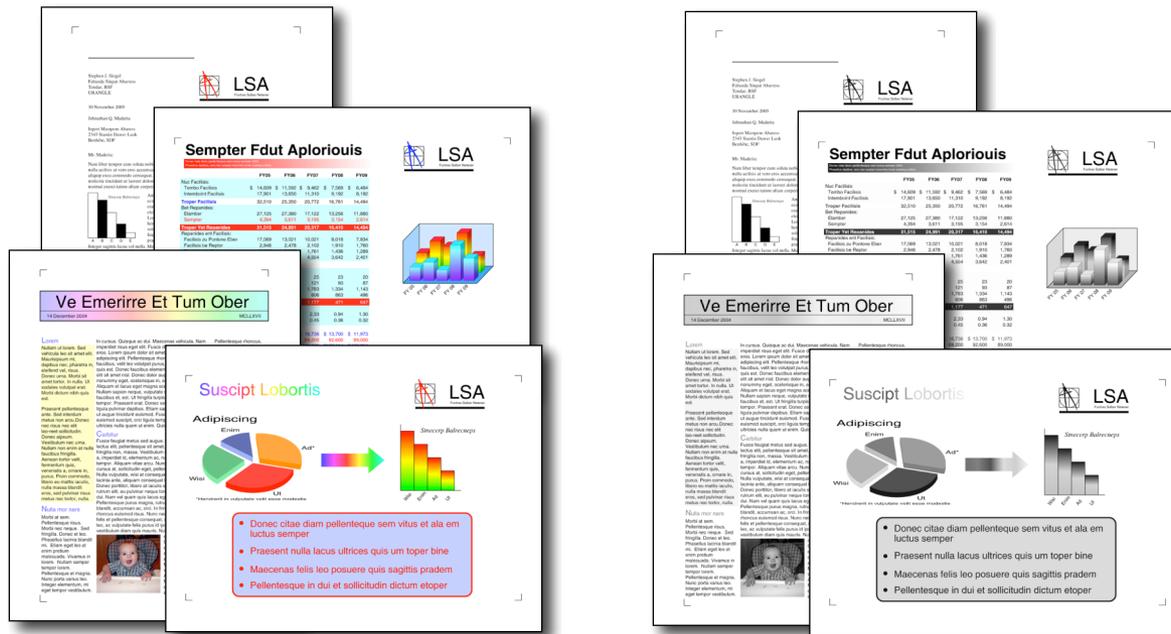
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# Xerox Phaser 8860 — Color vs. Black & White Cost-per-Page: Danish øre

**spencerLAB**  
COST-PER-PRINT TESTED



4-page Test Suite  
MIXED TEXT & GRAPHICS

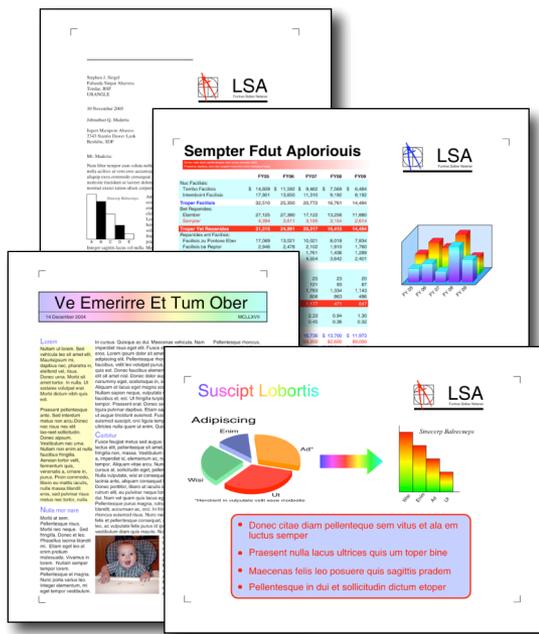
Mode	Color	Black & White
Average Cost-per-Page*	19.49ø ±1.00ø	19.18ø ±0.64ø

\*Cost-per-Suite used to calculate average Cost-per-Page. Tolerance represents 90% Confidence testing bounds. Average Cost-per-Page includes ink and user-replaceable components; pricing provided by Xerox, prior to commercial release. All testing performed using default driver settings for Color and Black & White printing, August 2007.

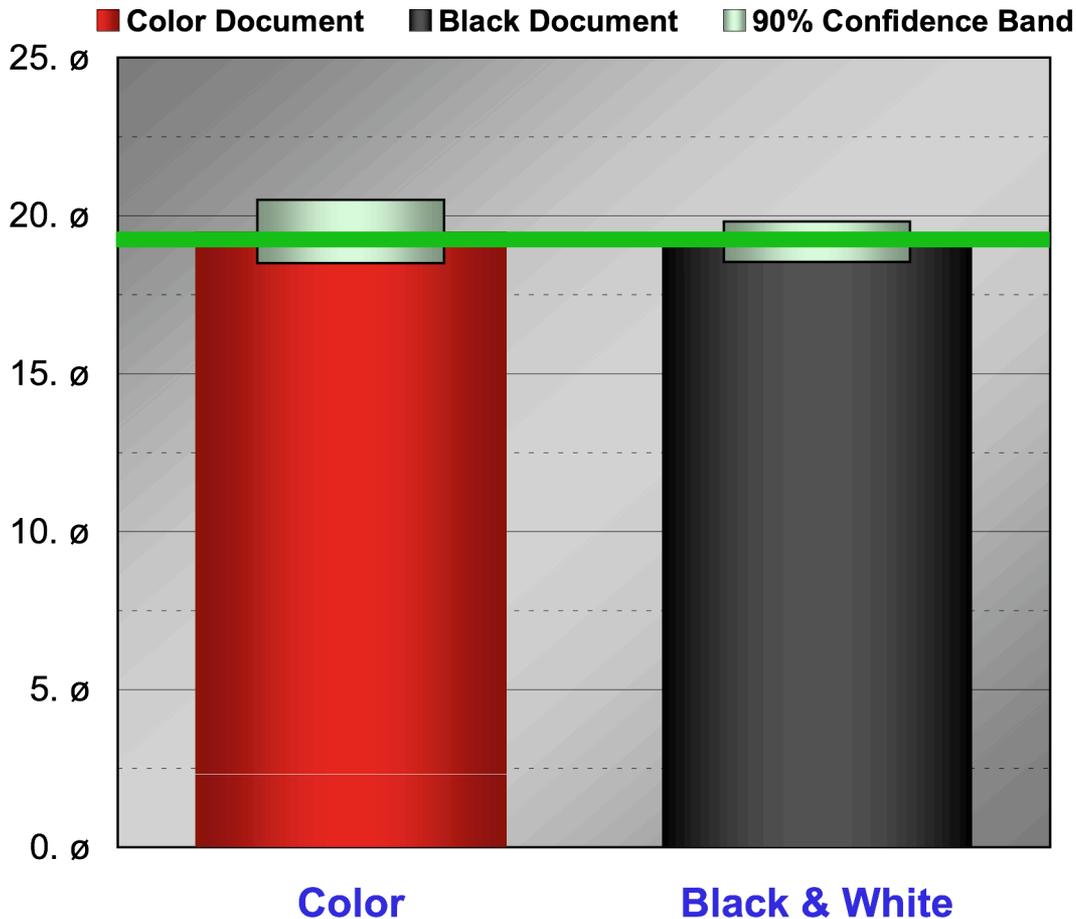
Independent testing by SpencerLab Digital Color Laboratory was commissioned by Xerox Corporation

# Xerox Phaser 8860 — Color vs. Black & White Cost-per-Page: Danish øre

**spencerLAB**  
COST-PER-PRINT TESTED



Office-User Test Suite  
MIXED TEXT & GRAPHICS



*“Color Cost-per-Page — the same as Black and White”*

Cost-per-Suite used to calculate average Cost-per-Page. Tolerance represents 90% Confidence testing bounds.  
Average Cost-per-Page includes ink and user-replaceable components; pricing provided by Xerox, prior to commercial release.  
All testing performed using default driver settings for Color and Black & White printing, August 2007.

Independent testing by *SpencerLab* Digital Color Laboratory was commissioned by Xerox Corporation



# Methodology

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## Determine Ink Yields

### Tested Device

- *Xerox Phaser 8860 (Solid Ink Printer)*

### Test Document

- *Office-user representative 4-page Suite*
- *Test Suite, with reasonable color balance (part of ISO/IEC 24712 Test Suite)*
- *Minimum of 25,000 printed pages (6250 4-page Suites)*

### Measure average number of Suites per each ink pack<sup>†</sup> color

- *Print in DEFAULT settings for Plain Paper via Adobe Reader (8.1.0)*
  - For black & white output, Black and White option was selected in the driver
- *Print semi-continuously to End-of-Life on multiple printers to assure consistency*
  - Semi-continuously: stops for paper replenishment, overnight, etc.
  - End-of-Life: earlier of INK OUT signal, or visible defects (fade) attributable to ink supply
    - *Phaser 8860 has a hard stop at INK OUT; no visible defects were observed prior to hard stop*
- *Measure number of usable Suites per each ink pack color*
  - Usable suite is defined as full four-pages; if printing stops mid-suite, the last full suite printed is used for yield computation
- *Controlled Environment*
  - Test laboratory temperature was maintained at 23.0°C ±2.0°C
  - Staples 20# Copy Paper and Xerox ink sets were acclimated for a minimum of eight hours

<sup>†</sup> Xerox solid ink sticks packaged with 6 sticks per ink pack



# Methodology (cont'd)

## Determine Component Costs

Calculate average ink component costs

- Divide each ink pack cost by the corresponding ink pack yield (average suites-per-ink pack)

Calculate user-replaceable component costs

- Include user-replaceable components rated for less than the life of the printer
  - Xerox Phaser 8860 has a user-replaceable Maintenance Kit
- Component contributions to total Cost-per-Suite based upon manufacturer-rated yields

Xerox Phaser 8860		CYAN	MAGENTA	YELLOW	BLACK
Component Costs	Ink Pack (6 sticks)	kr 522.00	kr 522.00	kr 522.00	kr 1,566.00
	Maintenance Kit	kr 298.00			

Pricing (DKK) provided by Xerox, prior to commercial release

## Calculate Average Cost-per-Page

Calculate Cost-per-Suite

- Sum the per-Suite component costs to obtain total Cost-per-Suite (four pages)

Calculate Average Cost-per-Page

- Divide the Cost-per-Suite by 4 (four-page Suite) to calculate average Cost-per-Page

