
HP Officejet Pro L7580 Series AiO

Cost-per-Print: Europe

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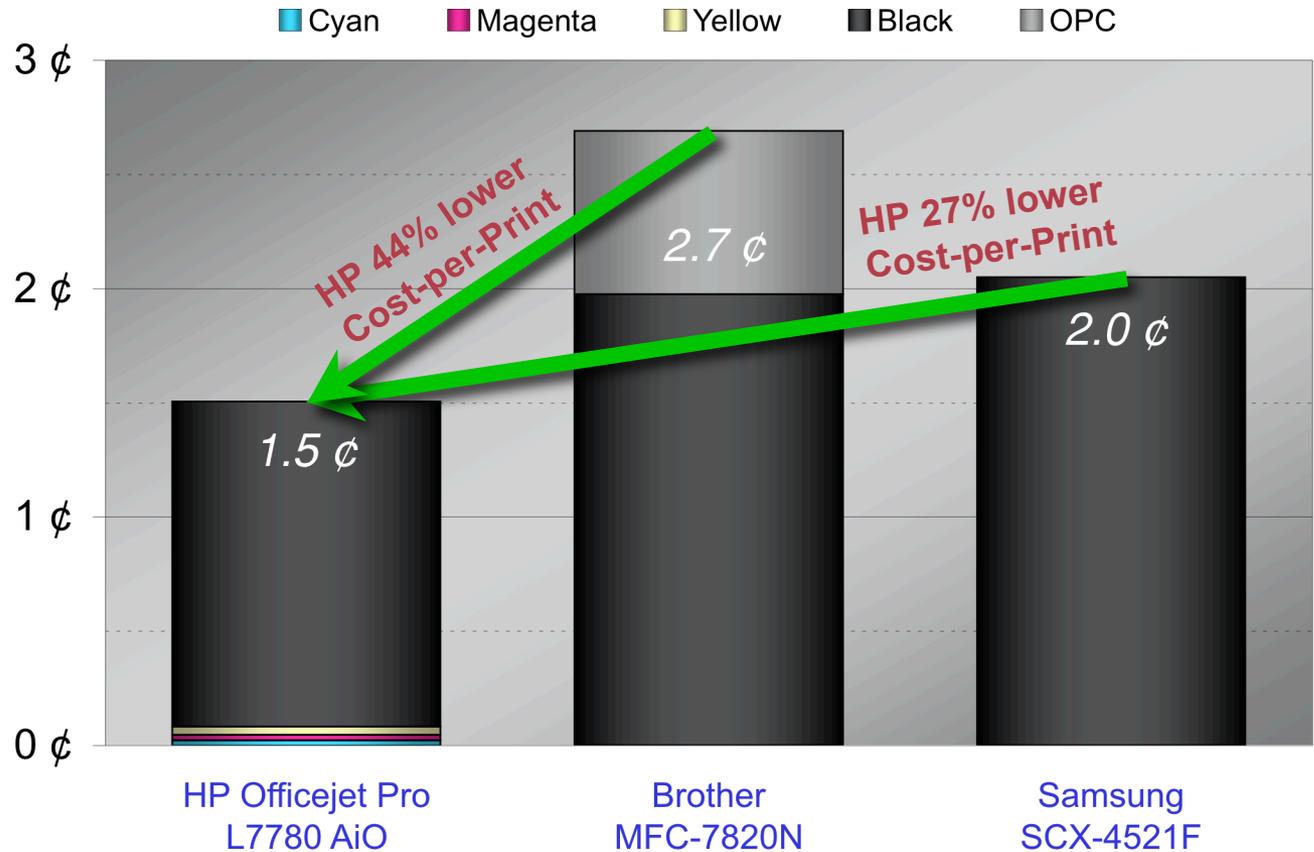


Cost-per-Print: *EU cents* — HP Officejet Pro L7580 Series Color Inkjet AiO, Brother MFC-7820N, & Samsung SCX-4521F

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COST-PER-PRINT TESTED



ISO/IEC Standard Test Page



HP Officejet Pro L7780 is US model of L7580 series.
 Cost-per-Price includes Ink/Toner and use-replaceable components.
 Pricing (incl. VAT) per Context PriceWatch, as of Jan 2007, as supplied by HP
 All testing performed using default driver settings.

Independent testing by *SpencerLab* Digital Color Laboratory was commissioned by Hewlett-Packard

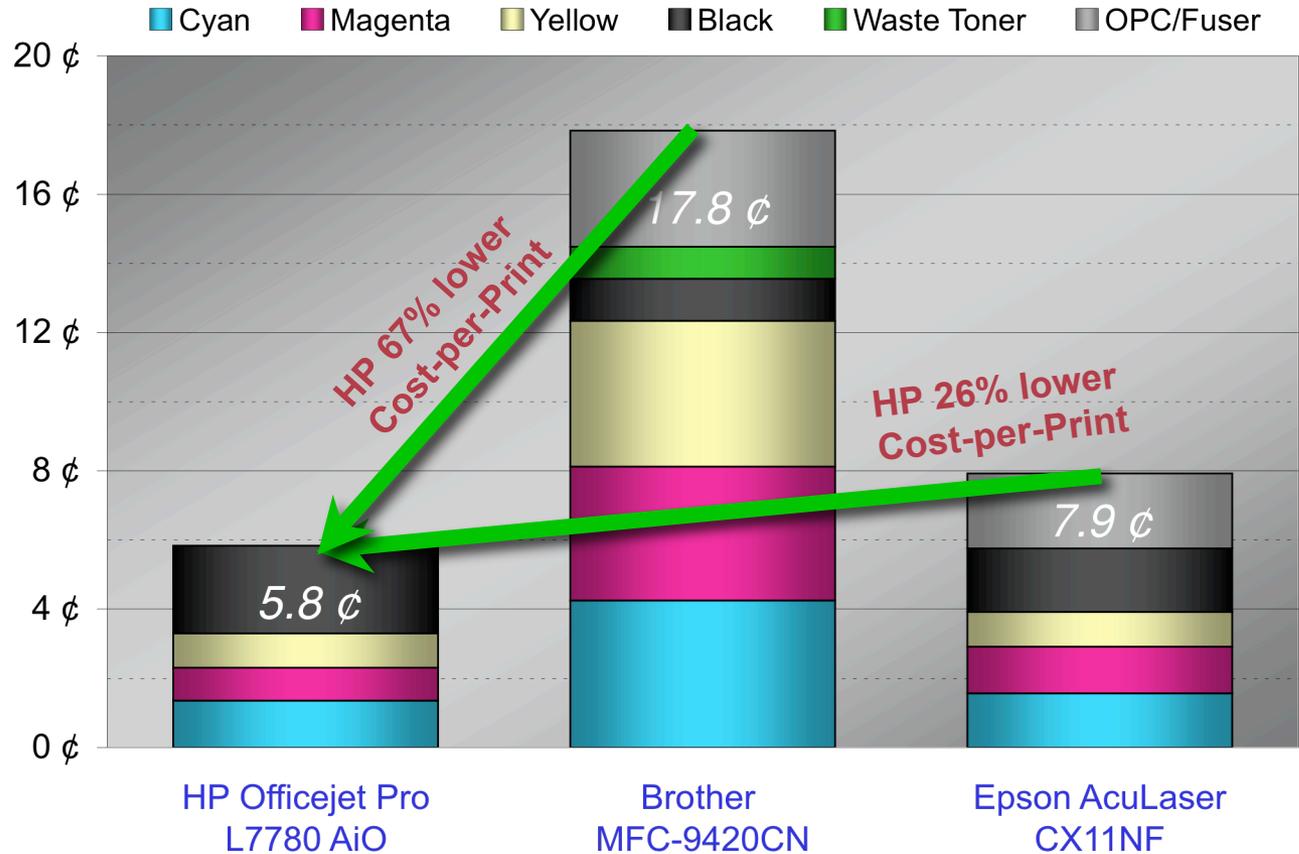


Cost-per-Print: *EU cents* — HP Officejet Pro L7580 Series Color Inkjet AiO, Brother MFC-9420CN, & Epson AcuLaser CX11NF

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COST-PER-PRINT TESTED



“Newsletter”
MIXED TEXT & GRAPHICS



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Cost-per-Print — Methodology

Determine Ink Cartridge Yields

Tested Devices

- *HP L7780 AiO (US version of L7580 AiO)*
- *Brother MFC-7820N and Brother MFC-9420CN*
- *Epson AcuLaser CX11NF*
- *Samsung SCX-4521F*

Test Documents

- *Monochrome: ISO/IEC 19752 “Standard” letter document, text with simple black graphics*
- *Color: “SpencerLab Newsletter” with mixed text, graphics, image*

Measure average number of prints-per-cartridge for each cartridge

- *Test highest capacity OEM ink/toner cartridges available*
 - HP Large Black, Cyan, Magenta and Yellow (88/XL) ink cartridges
 - Brother (TN-350); Brother Black (TN-04BK), Cyan (TN-04C), Magenta (TN-04M), and Yellow (TN-04Y) toner cartridges
 - Epson Black (0190), High Capacity Cyan (0189), Magenta (0188), and Yellow (0187) toner cartridges
 - Samsung (SCX-4521D3) toner cartridge
- *Print in DEFAULT mode on plain paper via Adobe Reader 7.0.8*
- *Print semi-continuously to end-of-life on multiple cartridges to assure consistency*
 - Semi-continuously: stops for paper replenishment, overnight, etc.
 - End-of-life: earlier of INK/TONER OUT signal, or visible defects (fade) attributable to toner supply
- *Measure number of usable prints-per-cartridge*



Cost-per-Print — Methodology (cont'd)

Determine component Costs

Calculate average ink/toner component costs per print

- *Divide each cartridge cost by the corresponding cartridge yield (average prints-per-cartridge)*

Calculate user-replaceable component costs per print

- *Include user-replaceable components rated for less than the life of the printer*
 - Brother MFC-7820N contains user-replaceable OPC Drum Cartridge
 - Brother MFC-9420CN contains user-replaceable OPC Drum Cartridge, Fuser Unit, and Waste Toner Bottle
 - Epson AcuLaser CX11NF contains user-replaceable Photoconductor Unit
- *Component contributions to total Cost-per-Print based upon manufacturer-rated yields*

COMPONENTS COST		CYAN	MAGENTA	YELLOW	BLACK
<i>HP Officejet Pro L7580 AiO</i>	<i>Ink</i>	€ 24.28	€ 24.60	€ 24.19	€ 33.66
<i>Brother MFC-7820N</i>	<i>Toner</i>	—	—	—	€ 62.67
	<i>OPC</i>	€ 85.71			
<i>Brother MFC-9420CN</i>	<i>Toner</i>	€ 176.06	€ 176.48	€ 176.48	€ 162.74
	<i>Fuser Unit</i>	€ 456.98			
	<i>OPC</i>	€ 390.40			
	<i>Waste Toner</i>	€ 27.70			
<i>Epson AcuLaser CX11NF</i>	<i>Toner</i>	€ 127.56	€ 127.28	€ 127.14	€ 73.88
	<i>OPC</i>	€ 227.66			
<i>Samsung SCX-4521F</i>	<i>Toner</i>	—	—	—	€ 78.97

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Calculate Cost-per-Print

Sum per-print component costs to obtain total Cost-per-Print for the test document

