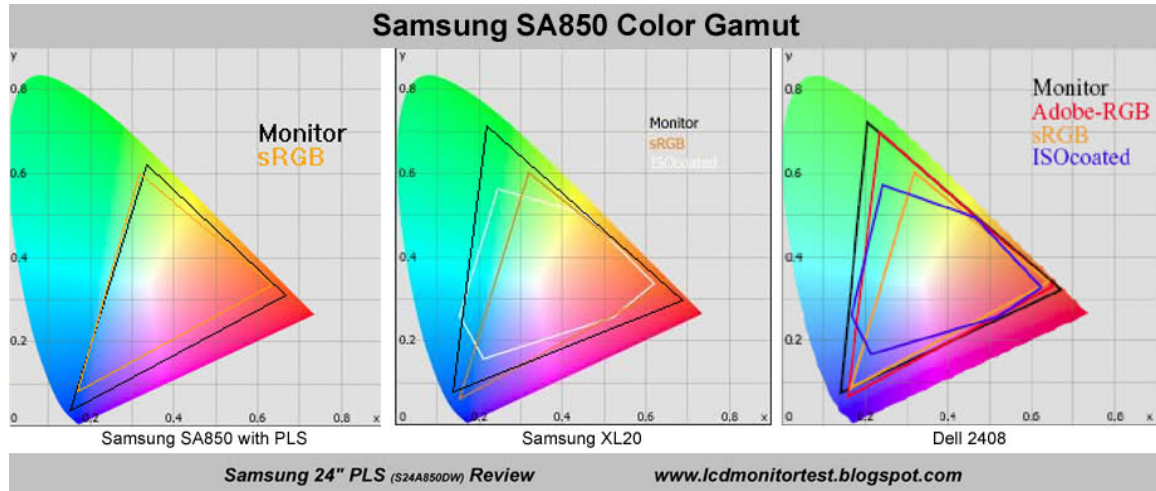


**Aqueous Coating**

**Coated Paper**

**Color Gamut**



**Color Separation**

**Continuous-tone Copy**

**Creep**

**Crossover**

**Deckle Edge**

**Die Cut**

**Dot Gain**

**Duotone**

**Duplex Paper**

**Emboss**

## Densitometer



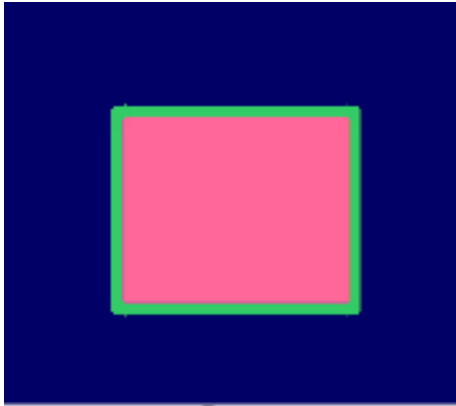
## SWOP

## Thermography

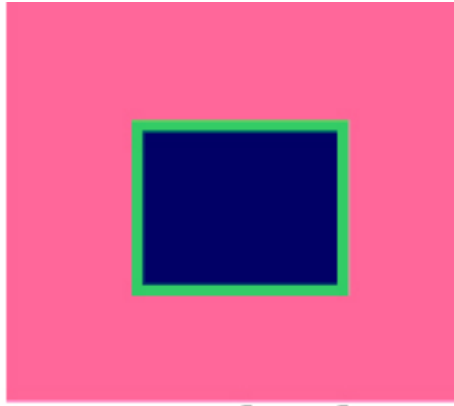


## Tip In

## Trap, Spread and Choke



**SPREAD**



**CHOKE**

Green represents the overlapping of the lighter color (pink).

**Vignette**



**Watermark**

**Wove and Laid**

**Right Reading and Wrong Reading (RR, WR)**

**Substrate**

**Split Fountain**

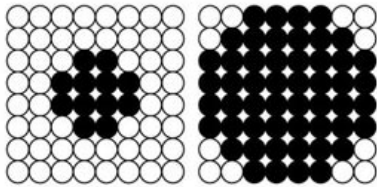
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## Screen Ruling or Frequency

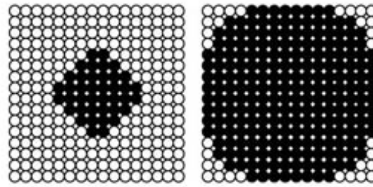
Relationship of Line Screen to Printer Resolution

Low Resolution Printer

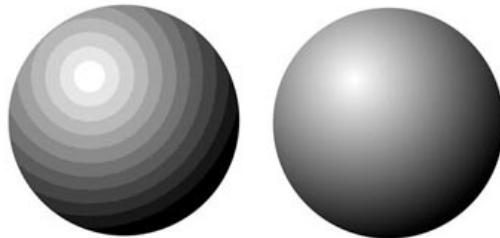


8 x 8 grid yields 64 "spots" per halftone cell for a total of 64 different shades of gray

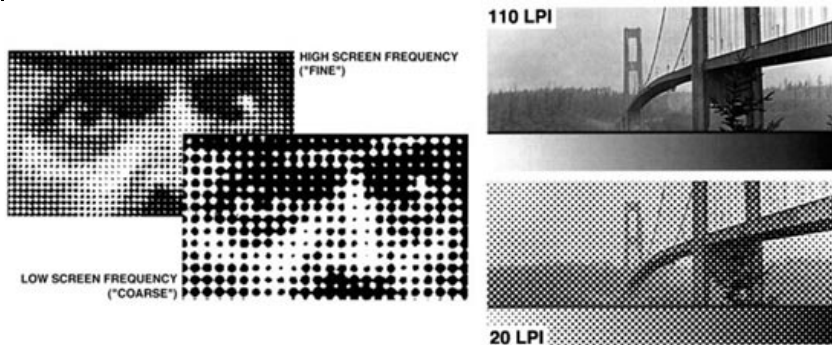
High Resolution Printer

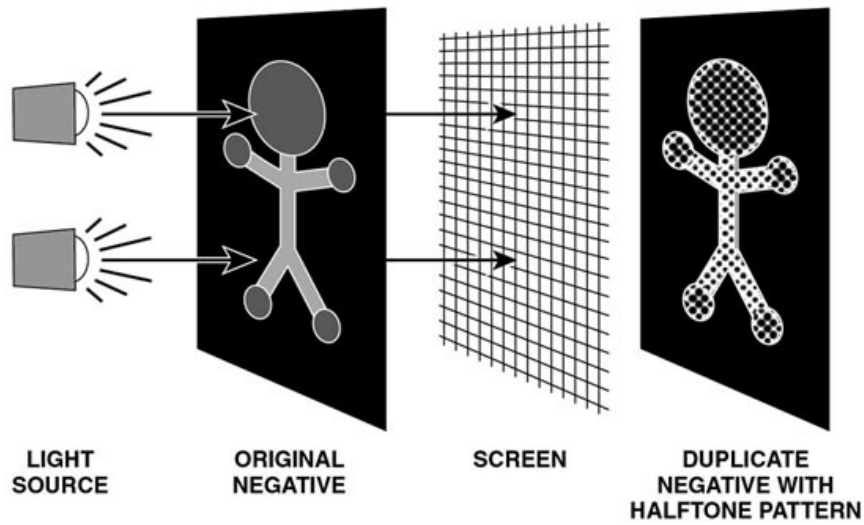


16 x 16 grid yields 256 "spots" per halftone cell for a total of 256 different shades of gray



Banding (left) in a continuous tone image due to insufficient printer resolution for the chosen line screen





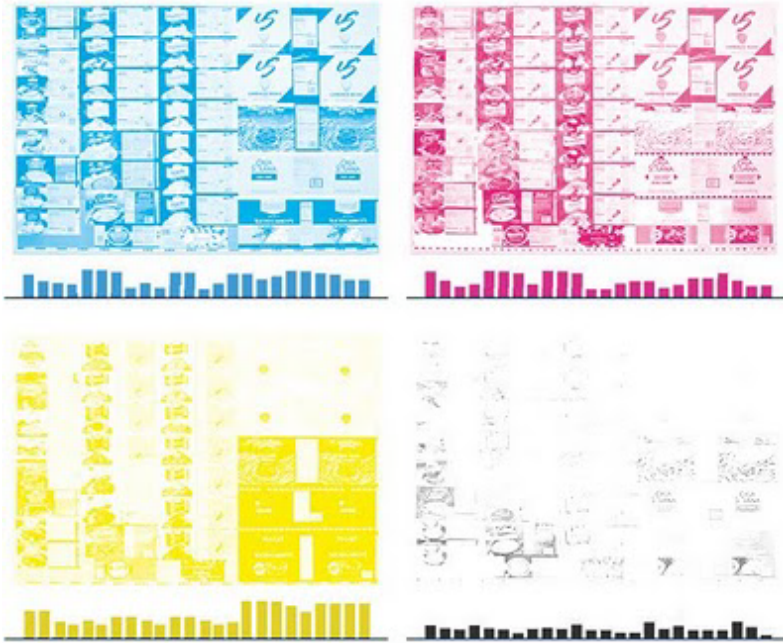
**Screen Frequency Formula**

$$\text{Screen Frequency} = \sqrt{\frac{\text{Printer Resolution}}{\text{Gray Levels}}}$$

**Color Control Bar or Color Bar**



**Four-Color Process (CMYK)**



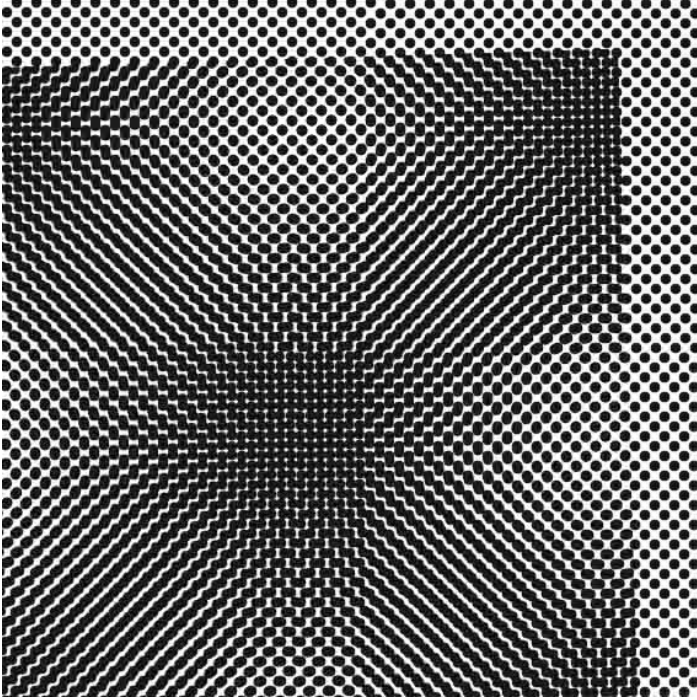
**Gate Fold**

**Impression Cylinder or Roller**

**Blanket or Offset Cylinder**

**Folio**

**Moiré patterns**



**Overprint or surprint**

**Points/picas**

**Printing Processes (Relief, Planographic, Intaglio, Screen)**

**RIP (Raster Image Processor)**

**Imagesetter**



**Platemaker**



**Postscript**

**PDF**

**Laid paper**

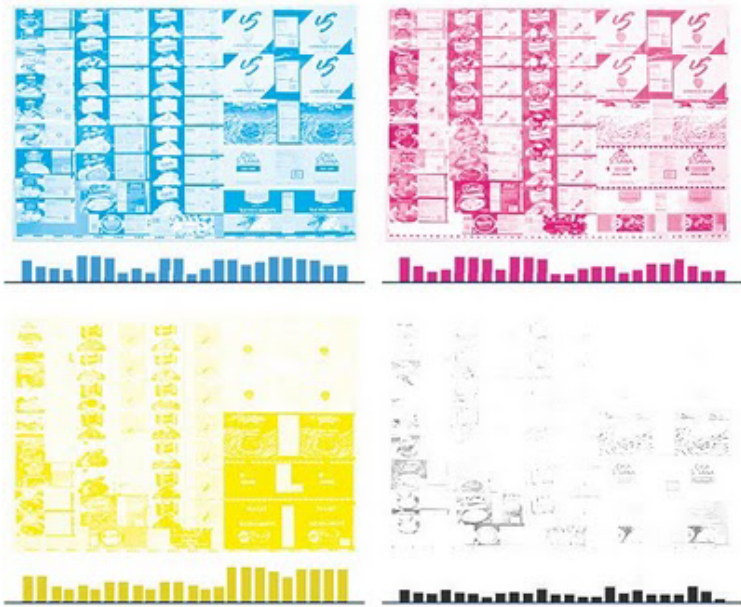
**Wove paper**

**Overprint**

**Saddle Stitch**

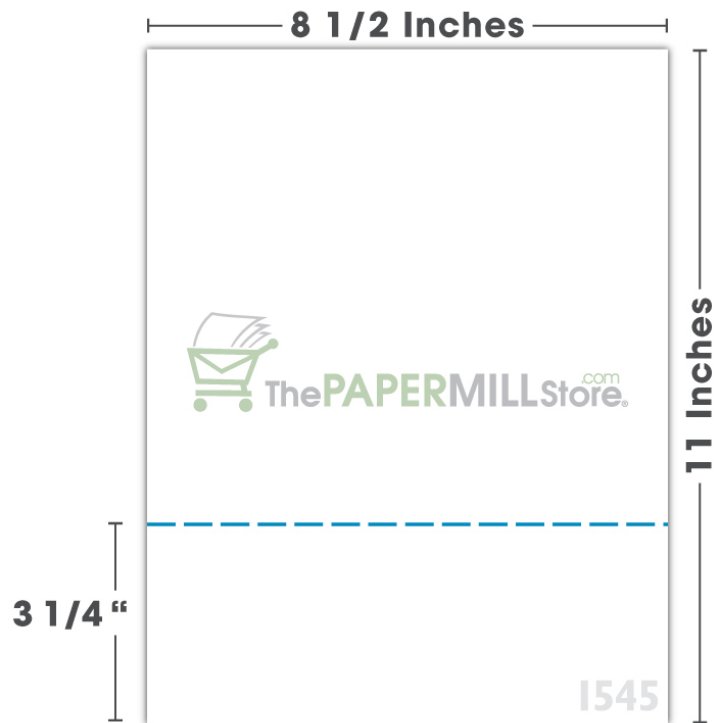


## Color Separations

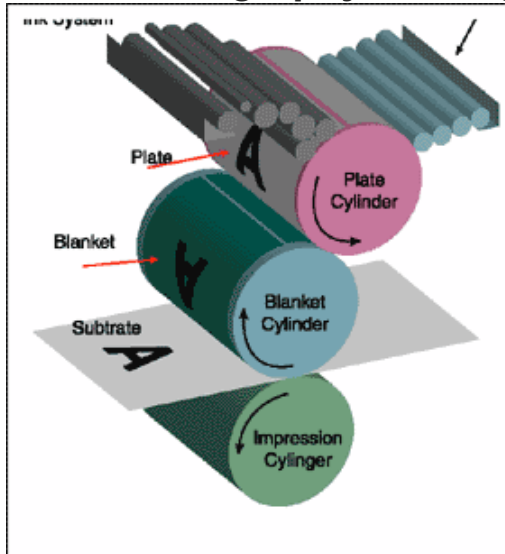


## Parent Sheet

## Perforating



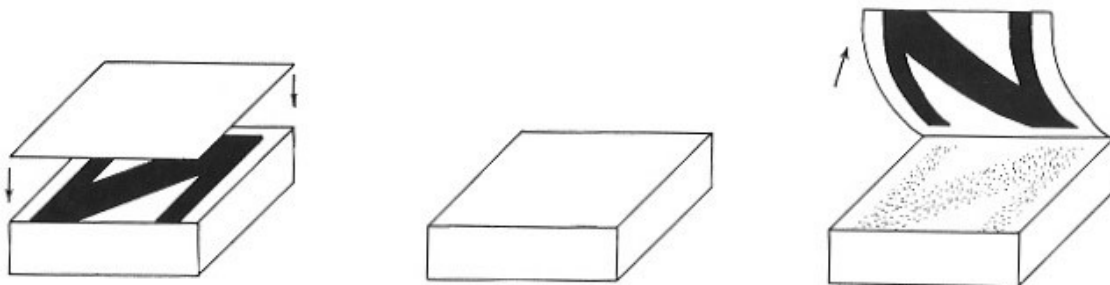
## Offset Lithography Printing







## Intaglio Printing



## Planographic Printing



# Printing Processes

Process:	Relief	Intaglio	Planographic	Stencil
<b>Common Name:</b>	A. Woodcut Linocut Embossing B. Wood Engraving	Engraving Drypoint Mezzotint Etching	Lithograph	Serigraph (Silkscreen) Screenprint
<b>What area Prints:</b>	 Prints what is left of the surface.	 Prints what is below the surface of the plate.	 Prints what is drawn on the surface.	 Prints open areas of the stencil.
<b>Type of Press:</b>	A. Household tablespoon B. Washington Press or Letter-	Etching Press	Litho Press	Original serigraphs are usually hand-screened.
<b>Materials:</b>	A. Plank-grain wood Linoleum B. End-Grain wood	Copper Zinc Plastics, etc.	Limestone Zinc Aluminum plates, etc.	Silk Organdie Nylon, etc.
<b>Basic Tools:</b>	Knife Gouge Burin Dowel, etc.	Etching Needle Burins Acids Grounds Mineral Spirits, etc.	Litho Crayon Tusche Litho Rubbing Ink, etc.	Squeegee Screen Nufilm Glue Emulsion

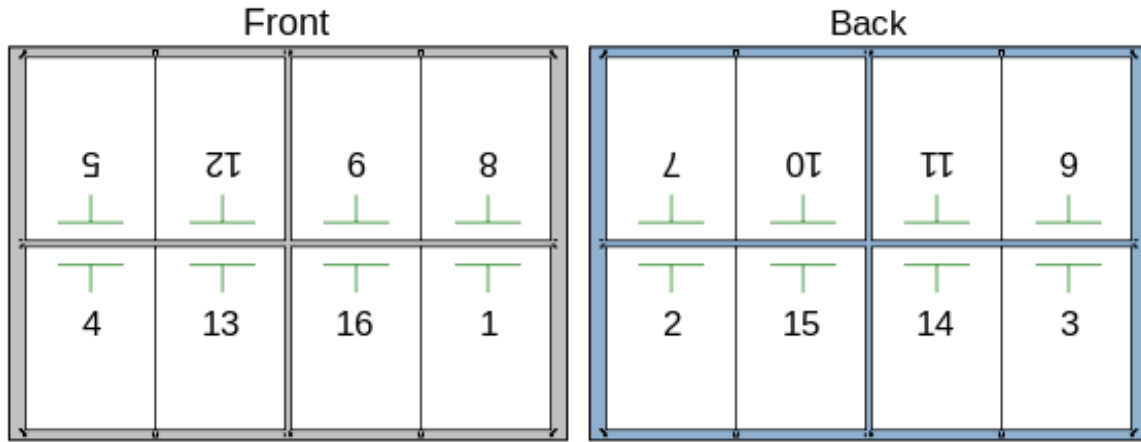
## Spot Color (Pantone or Toyo)

## Make Ready

## Designer or Reader Spreads

## Printer Spreads

## Imposition



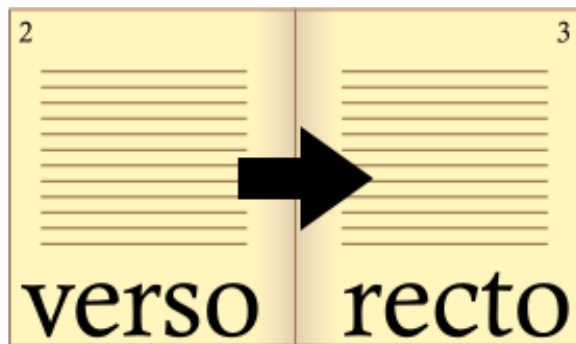
**Press Check**

**Press Proof**

**Recto/Verso**



**Arabic**



**English**

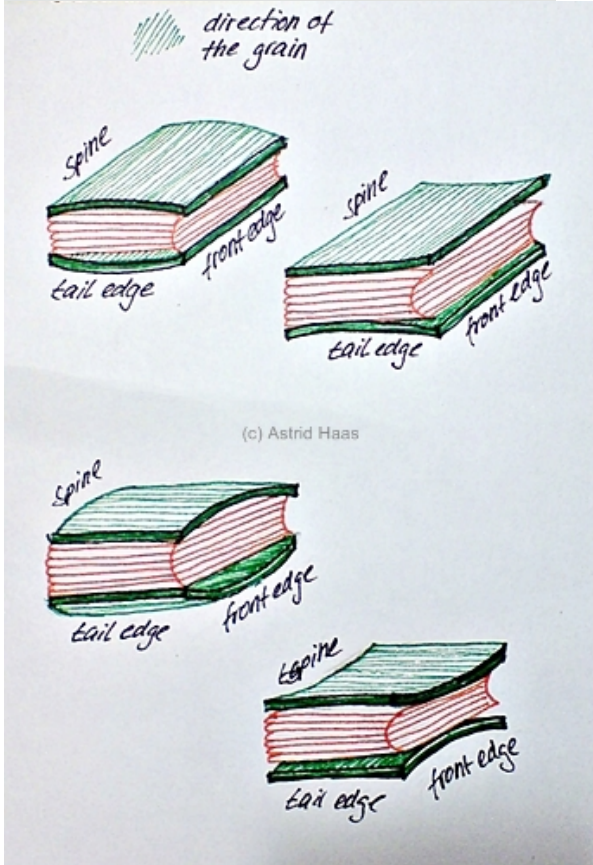
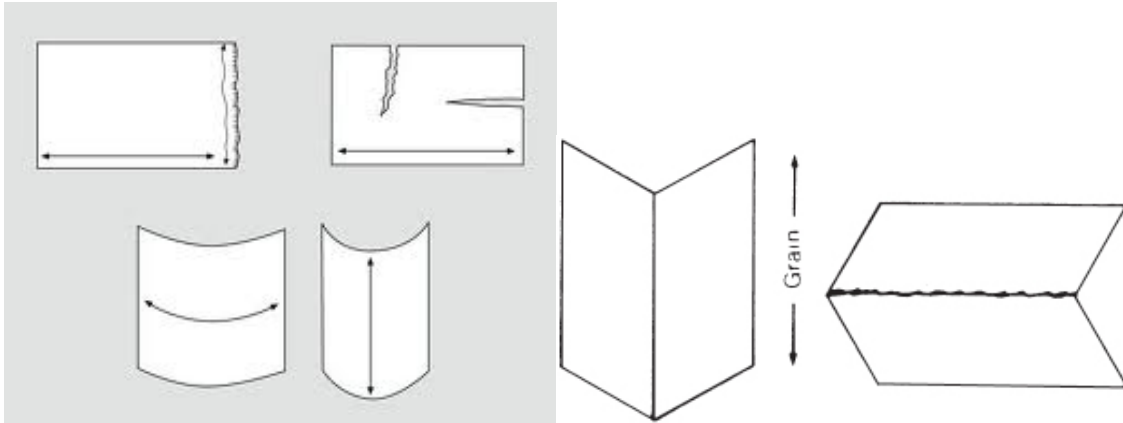
## GSM, or G/m2, Grams per square meter

Bond Weight	Text/Book Weight	Cover Weight	Bristol Weight	Index Weight	Tag Weight	Metric Weight
16#	41#	22#	27#	33#	37#	50 gsm
17#	43#	24#	29#	35#	39#	64 gsm
20#	50#	28#	34#	42#	46#	75 gsm
21#	54#	30#	36#	44#	49#	80 gsm
24#	60#	33#	41#	50#	55#	90 gsm
27#	68#	37#	45#	55#	61#	100 gsm
28#	70#	39#	49#	58#	65#	105 gsm
29#	74#	41#	50#	61#	68#	110 gsm
32#	80#	44#	55#	67#	74#	120 gsm
36#	90#	50#	62#	75#	83#	135 gsm
39#	100#	55#	67#	82#	91#	148 gsm
40#	101#	55#	68#	83#	92#	150 gsm
43#	110#	60#	74#	90#	100#	163 gsm
45#	115#	63#	77#	94#	104#	170 gsm
47#	119#	65#	80#	97#	108#	176 gsm
51#	128#	70#	86#	105#	117#	190 gsm
53#	134#	74#	90#	110#	122#	199 gsm
54#	137#	75#	93#	113#	125#	203 gsm
58#	146#	80#	98#	120#	133#	216 gsm
65#	165#	90#	111#	135#	150#	244 gsm
66#	169#	92#	114#	138#	154#	250 gsm
67#	171#	94#	115#	140#	155#	253 gsm
70#	178#	98#	120#	146#	162#	264 gsm
72#	183#	100#	123#	150#	166#	271 gsm

## Ream (of paper)



## Paper Grain, Grain Direction



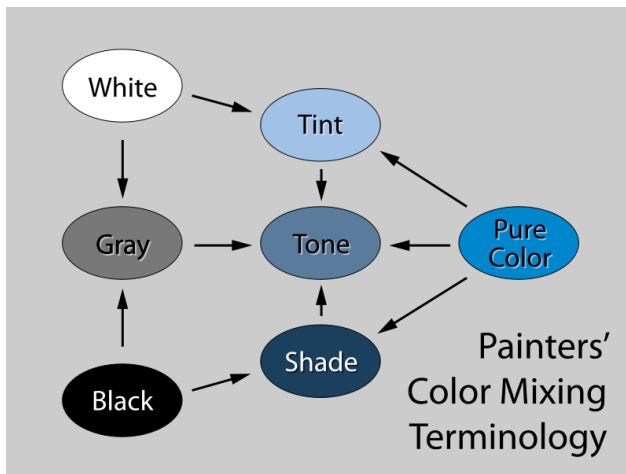
## Rule

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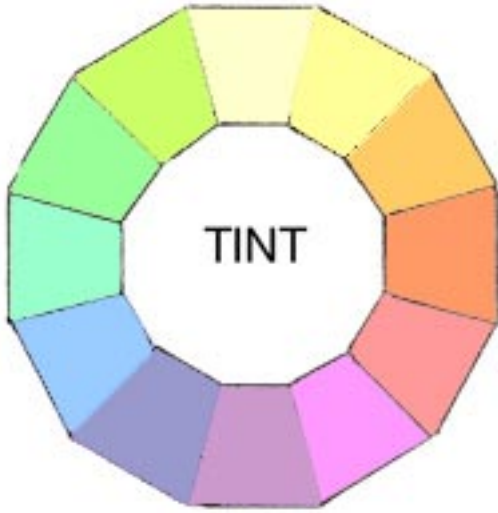
## Benday Dot



## Color



## Tint (of color)



**Shade (of color)**



**Tone (of color)**





**Calendar (paper)**



**TIFF, JPEG, PDF, native file format**

**Compression (lossless, or lossy)**