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COLOR CHART

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PRINTING DESIGN

演色表

COLOR CHART

配色版

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演色表對設計者來說是非常重要且必需的工具書。在彩色印刷中，色彩的標色就必須使用演色表的網點百分比來做準確的指定。由於設計者是以百分比數字來指定顏色，因此印刷製版人員便能很容易的將設計者所指定的色彩複製出，因此演色表可以說是設計者和印刷人之間的最佳色彩溝通工具。

本演色表之特色係針對設計者之實際使用需要而設計，特色之一是網點的百分比是以階段式設計，使每一色皆為獨立之色彩，方便色彩之選擇，另一特色是本演色表兼有配色之功能，可將顏色置於打孔之演色表下面，即可透過圓孔觀察所配之色彩是否合適，這樣便能輕易的配出理想之顏色，並減少印件因配色不當而改色之麻煩，不但耗時且增加印製成本，本演色表之使用方式可參考次頁之詳細說明。

To designers, a color chart is an extremely helpful and virtually indispensable tool. In color printing, accurate coloring presupposes to precise screen dot percentage of the color chart. While designers designate colors based on percentage, the technicians in the printing houses may, therefore, easily duplicate the colors designated by the designers. Color chart, therefore, is the ideal communication tool of colors between the designers and the printers.

This color chart of ours is especially designed according to designers' practical needs. One special feature of it is its stepwise design of screen dot percentage, which makes every color an independent one to facilitate the choice of color. Another special feature is its blending function. One can place color under the punctured color chart and decide whether the color is appropriately blended by observing through the holes. This will not only allow one to easily make the color blend but also minimizes the extra time and money it would take and cost to correct the inappropriate color match. For use of this color chart, please refer to the detailed descriptions appearing on the following page.

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本演色表採階段百分比設計，網點百分比為0%、10%、20%、40%、60%、80%、100%，色彩標定方法可參考次頁之詳細圖解，圖解中右下角之大字Y100，表示這張演色表中的每色都印有Y100（亦即滿版黃色），如果是Y60，即表示該張演色表的每色都印有60%的黃色網點，依此類推。

如果右下角之大字為Y 100 B 10，即表示該張演色表中的每色都印有Y 100%（滿版）及B 10%的網點，如再加上C色（Cyan）及M色（Magenta）就構成四色網點印刷。

再看下邊一行是由C10、C20、C40、C60、C80、C100所組成，這些數字即表示網點的百分比，例如C10即表示原色藍網點10%，也就是C10這行由上至下的網點都是C10。

再看右邊一行是由M10、M20、M40、M60、M80、M100構成，例如M10即表示右至左整列的色都是M10，也就是洋紅網點10%，這些不同顏色及百分比互相疊印即可產生各種色彩，框中所標示之文字即為該色的印色及網點百分比之組合。

The color chart is designed at several percentage levels, in screen dots of 0%, 10%, 20%, 40%, 60%, 80% and 100%. Please refer to the detailed illustration appearing on the ensuing page. The wording "Y100" appearing on the right lower corner denotes each color is printed with 100% (namely, yellow in full). The wording "Y60" indicates 60% yellow screen dots, and so forth.

If the big letter in the right side bottom corner is Y100 B10, it means each of the colors in the color chart is printed the screen dots of Y 100% (full edition) and B 10%. If it is added with Color C (Cyan) and Color M (Magenta), it will become a color chart of 4-color screen dots.

The next row is composed of C10, C20, C40, C60, C80 and C100 which indicates the percentage of screen dots. For instance, C10 indicates 10% of blue dots. Namely, in this row, all screen dots of the whole row downward are C10.

The row on the right-hand side is composed of M10, M20, M40, M60, M80 and M100. Of them, M10, for instance, indicates the whole row is in M10, namely scarlet screen dots 10%. These varied colors and percentages, when printed, will produce a variety of different colors. The words appearing inside the frames indicate the composition of that color and screen dot percentages.

配色功能使用

How to Make use of the Color Chart?

① 將前頁撕下，並用美工刀將中間白色方孔割除，共可分割成四張備用，它的功能是套在演色表上，使配色時不受其它色彩之干擾。

1. Tear off the first page first. Cut with a studio knife the white square hole in the middle. Cut it into a total of four sheets which, when placed on perforated color chart, will ensure that color matching will be free of interference of other colors.



② 選好主色後，並將挖孔之黑紙覆蓋在演色表上。

2. After choosing the principal colors, cover the principal with the perforated black paper.



③將所要搭配的顏色套在主色下，即可透過圓孔觀察主色和所配色彩是否合適。

3. Place the colors for matching beneath the principal colors. By this, you can observe through the round hole and determine if the colors chosen are right and appropriate.

④配色時也可使用其它型式之色票，或是將演色表當作特別色來進行配色工作。

4. For color matching, the other types of color ticket can be utilized or color matching can be carried out using the color chart as a special color.



Y100 M100 C100	Y100 M100 C80	Y100 M100 C60	Y100 M100 C40	Y100 M100 C20	Y100 M100 C10	Y100 M100	M100
Y100 M80 C100	Y100 M80 C80	Y100 M80 C60	Y100 M80 C40	Y100 M80 C20	Y100 M80 C10	Y100 M80	M80
Y100 M60 C100	Y100 M60 C80	Y100 M60 C60	Y100 M60 C40	Y100 M60 C20	Y100 M60 C10	Y100 M60	M60
Y100 M40 C100	Y100 M40 C80	Y100 M40 C60	Y100 M40 C40	Y100 M40 C20	Y100 M40 C10	Y100 M40	M40
Y100 M20 C100	Y100 M20 C80	Y100 M20 C60	Y100 M20 C40	Y100 M20 C20	Y100 M20 C10	Y100 M20	M20
Y100 M10 C100	Y100 M10 C80	Y100 M10 C60	Y100 M10 C40	Y100 M10 C20	Y100 M10 C10	Y100 M10	M10
Y100 C100	Y100 C80	Y100 C60	Y100 C40	Y100 C20	Y100 C10	Y100	

C100

C80

C60

C40

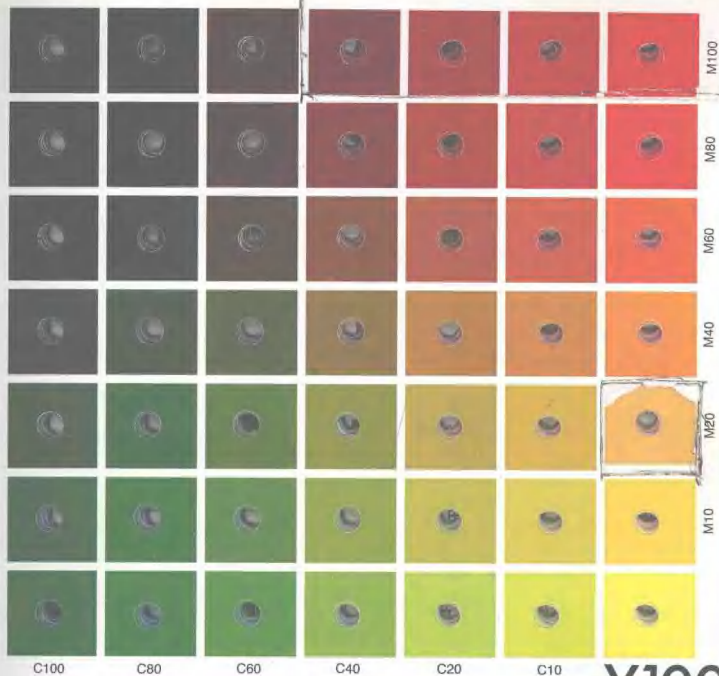
C20

C10

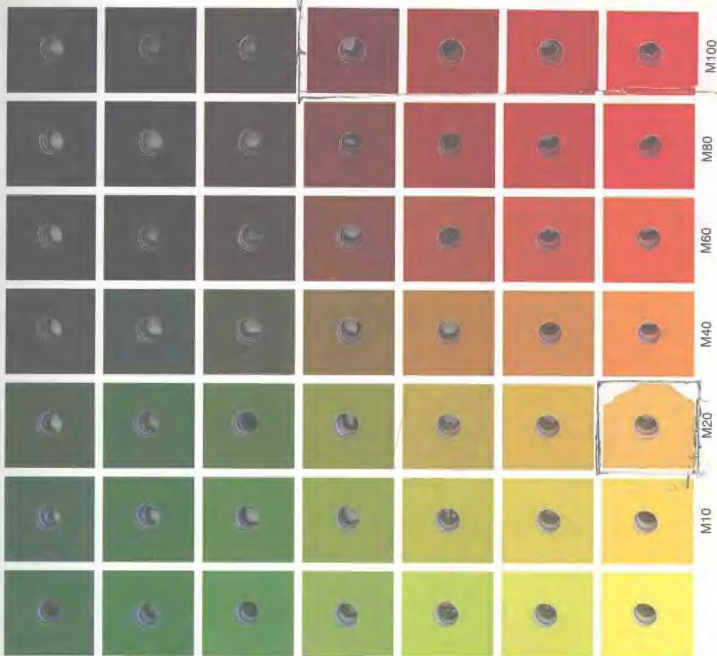
Y100

Y100 B10 M100 C100	Y100 B10 M100 C80	Y100 B10 M100 C60	Y100 B10 M100 C40	Y100 B10 M100 C20	Y100 B10 M100 C10	Y100 B10 M100	M100
Y100 B10 M80 C100	Y100 B10 M80 C80	Y100 B10 M80 C60	Y100 B10 M80 C40	Y100 B10 M80 C20	Y100 B10 M80 C10	Y100 B10 M80	M80
Y100 B10 M60 C100	Y100 B10 M60 C80	Y100 B10 M60 C60	Y100 B10 M60 C40	Y100 B10 M60 C20	Y100 B10 M60 C10	Y100 B10 M60	M60
Y100 B10 M40 C100	Y100 B10 M40 C80	Y100 B10 M40 C60	Y100 B10 M40 C40	Y100 B10 M40 C20	Y100 B10 M40 C10	Y100 B10 M40	M40
Y100 B10 M20 C100	Y100 B10 M20 C80	Y100 B10 M20 C60	Y100 B10 M20 C40	Y100 B10 M20 C20	Y100 B10 M20 C10	Y100 B10 M20	M20
Y100 B10 M10 C100	Y100 B10 M10 C80	Y100 B10 M10 C60	Y100 B10 M10 C40	Y100 B10 M10 C20	Y100 B10 M10 C10	Y100 B10 M10	M10
Y100 B10 C100	Y100 B10 C80	Y100 B10 C60	Y100 B10 C40	Y100 B10 C20	Y100 B10 C10	Y100 B10	
C100	C80	C60	C40	C20	C10		

Y100 B10



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C100

C80

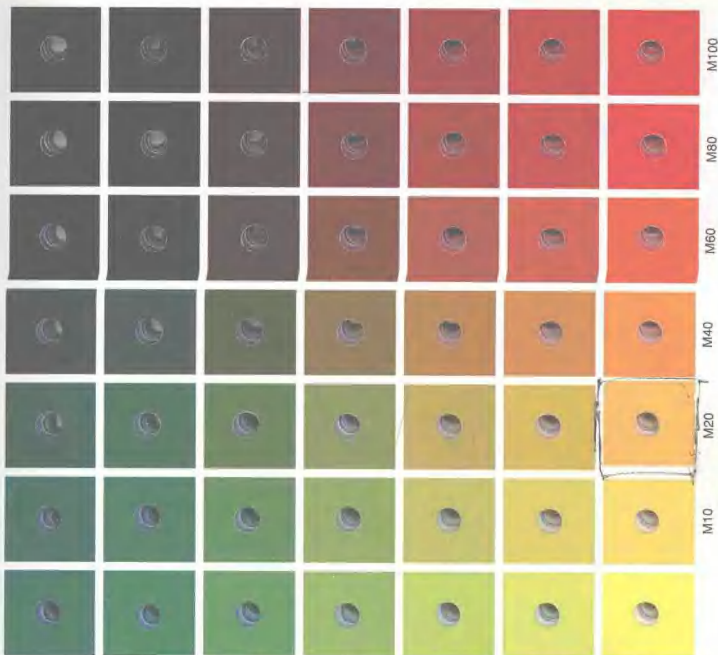
C60

C40

C20

C10

Y90



C100

C80

C60

C40

C20

C10

Y80

M100

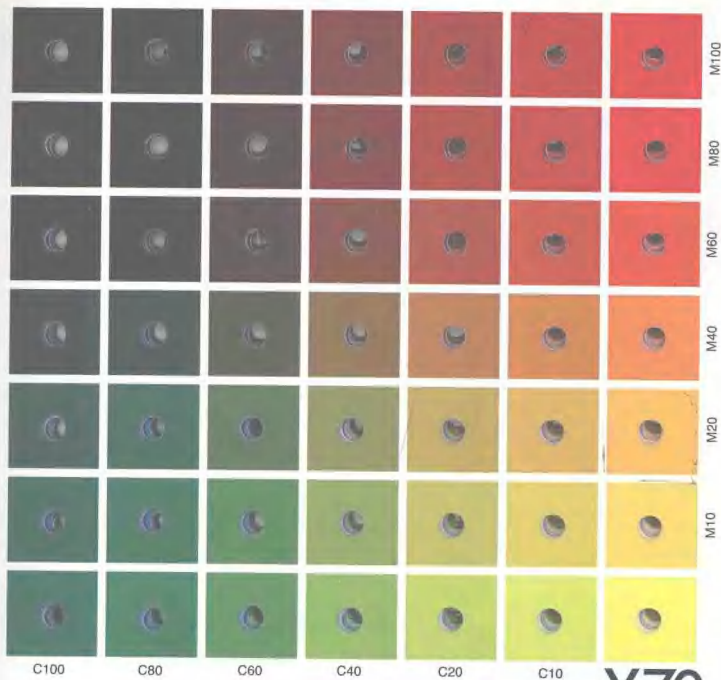
M80

M60

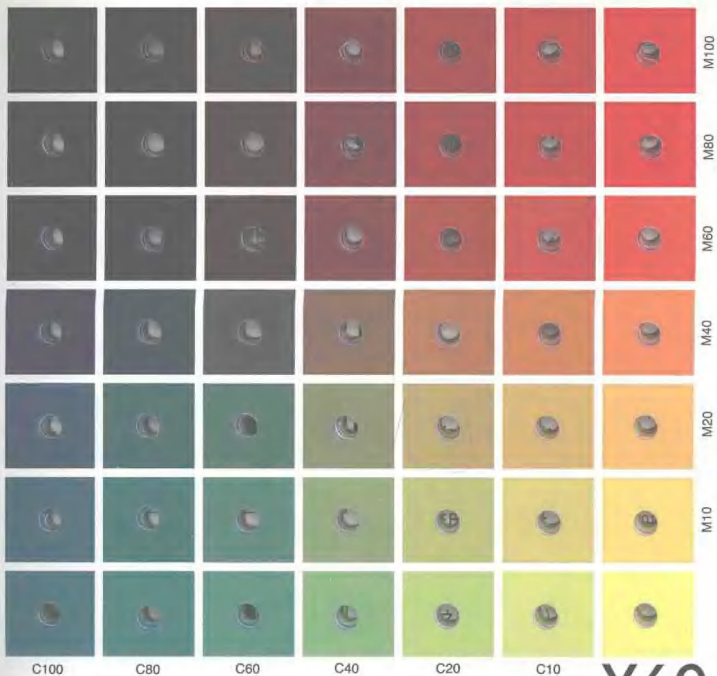
M40

M20

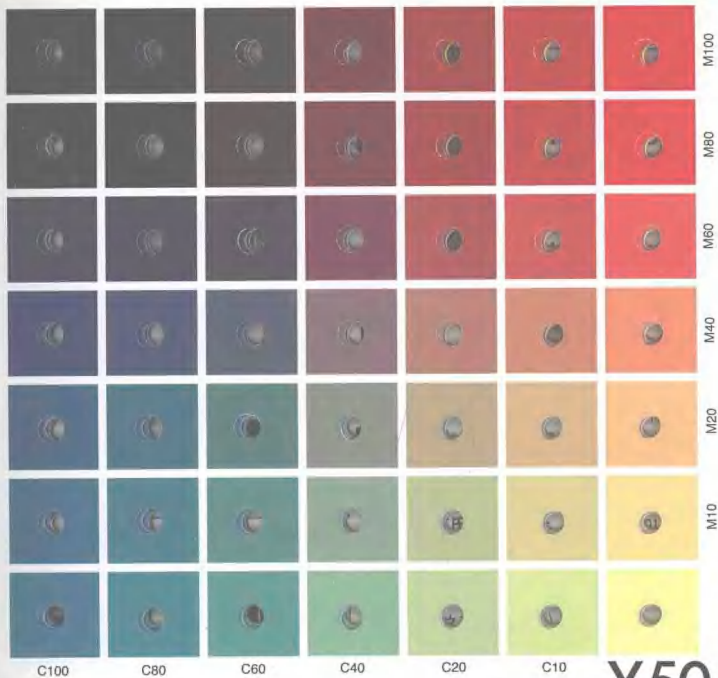
M10

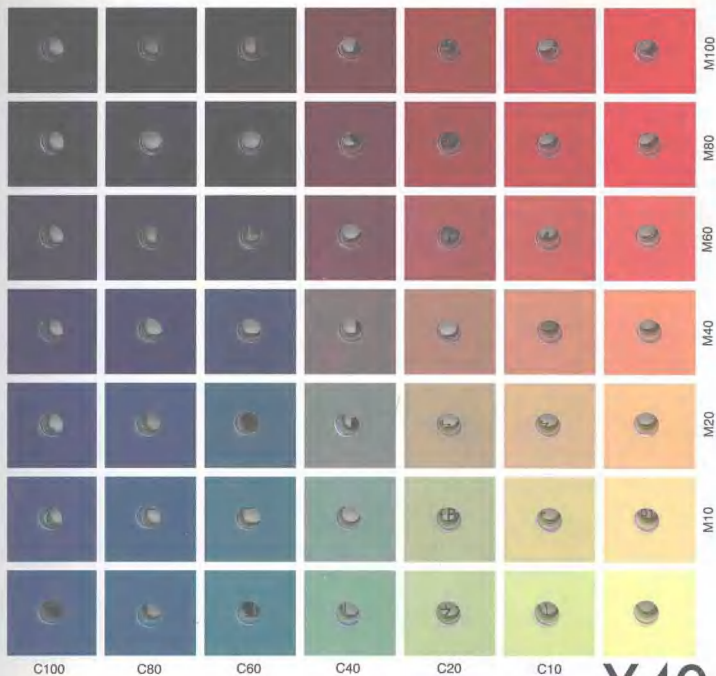


Y70



Y60





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