Apple II
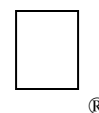# Technical Notes

□
®

Developer Technical Support

Apple IIGS
#63:   Master Color Values

Revised by: Dave Lyons   May 1991
Written by: Jim Luther   July 1989

This Technical Note documents master color values used for the Apple IIGS text, text background, and border colors.

Changes since July 1989:   Added information on the standard QuickDraw II 640-mode color table and provided a 320-mode color table that produces similar colors.

Border Color Values

There are times when you may want to make parts of the IIGS Super Hi-Res screen the same color as the text, text background, and border colors. This is particularly useful when using the Apple II Video Overlay Card. Table 1 lists each color using the names from the Control Panel CDA, the color register values used for that color by the color registers, and the master color value used for that color by the Super Hi-Res screen.

Color Name	Color Register Value	Master Color Value
Black	$0	$0000
Deep Red	$1	$0D03
Dark Blue	$2	$0009

Purple	$3	$0D2D
Dark Green	$4	$0072
Dark Gray	$5	$0555
Medium Blue	$6	$022F
Light Blue	$7	$06AF
Brown	$8	$0850
Orange	$9	$0F60
Light Gray	$A	$0AAA
Pink	$B	$0F98
Light Green	$C	$01D0
Yellow	$D	$0FF0
Aquamarine	$E	$04F9
White	$F	$0FFF

Table 1–Master Color Values

The *Apple IIGS Hardware Reference* documents the color registers at $C022 and $C034, and the *Apple IIGS Toolbox Reference*, Volume 2 documents the master color values.

Standard 640-mode Color Table

The description of dithering on pages 16-35 and 16-36 of Apple IIgs Toolbox Reference, Volume 2 is correct, but some of the color values in Table 16-5 are incorrect. Table 2 lists the standard QuickDraw II 640-mode color table:

Color Table Offset	Color Name	Master Color Value
$0	Black	$0000
$1	Red	$0F00
$2	Green	$00F0
$3	White	$0FFF
$4	Black	$0000
$5	Blue	$000F
$6	Yellow-green	$0FF0
$7	White	$0FFF
$8	Black	$0000
$9	Red	$0F00
$A	Green	$00F0
$B	White	$0FFF
$C	Black	$0000
$D	Blue	$000F
$E	Yellow-green	$0FF0
$F	White	$0FFF

Table 2–Standard 640-mode Color Table

Table 3 shows Master Color values you can use in 320-mode to get close approximations of the sixteen standard 640-mode "solid" (really dithered) 640-mode colors.

Color Table	Color	Master Color

Offset	Name	Value
$0	Black	$0000
$1	Deep Blue	$0008
$2	Yellow-brown	$0880
$3	Gray	$0888
$4	Red	$0800
$5	Purple	$0808
$6	Orange	$0F80
$7	Pink	$0F88
$8	Dark Green	$0080
$9	Aqua	$0088
$A	Bright Green	$08F0
$B	Pale Green	$08F8
$C	Gray	$0888
$D	Periwinkle Blue	$088F
$E	Yellow	$0FF8
$F	White	$0FFF

Table 3–Standard 640-mode Color Table

Further Reference

- *Apple IIGS Hardware Reference*, pp. 58, 76-78
- *Apple IIGS Toolbox Reference*, Volume 2, p. 16-31