Inwood
Early College

Inwood Early College for Health and Information Technologies
Career and Technical Education Department

AP Computer Science Principles 1

Pixelated Pic Project

Graphic Organizer

Pixel Color Description: **Purpleish white.**

RGB Values: **240 , 240 , 247**

Red Value: 240	Green Value: 240	Blue Value: 247
Convert to Binary	Convert to Binary	Convert to Binary
$240 \div 2 = 120\ R0$		$247 \div 2 = 123\ R1$
$120 \div 2 = 60\ R0$		$123 \div 2 = 61\ R1$
$60 \div 2 = 30\ R0$		$61 \div 2 = 30\ R1$
$30 \div 2 = 15\ R0$		$30 \div 2 = 15\ R0$
$15 \div 2 = 7\ R1$		$15 \div 2 = 7\ R1$
$7 \div 2 = 3\ R1$		$7 \div 2 = 3\ R1$
$3 \div 2 = 1\ R1$		$3 \div 2 = 1\ R1$
$1 \div 2 = 0\ R1$	← samer calculations.	$1 \div 2 = 0\ R1$

Red Value in Binary:	Green Value in Binary:	Blue Value in Binary:
1 1 1 1 0 0 0 0	1 1 1 1 0 0 0 0	1 1 1 1 0 1 1 1

Pixel color bitstring: 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 1 1 1