

pixi File Format v1

February 26, 2025

1 Flags Enumeration

Flag Value	Description
(0x00)	No Flags (Assume Defaults)
(0x?1)	RGB
(0x?2)	RGBA
(0x?3)	CMYK
(0x?4)	CMYKA
(0x?5)	Indexed Colours
(0x1?)	Is Compressed

2 Header Data

Location	Size	Description
0x00	4 bytes	magic number 0x50495849 (PIXI in ASCII)
0x04	2 bytes	major version 0x00
0x06	2 bytes	minor version 0x01
0x08	4 bytes	width of image
0x0C	4 bytes	height of image
0x10	1 byte	flags
0x11	1 byte	triplet size (3 = RGB, 4 = RGBA, 4 = CYMK, 5 = CMYKA)
0x12	2 bytes	reserved

3 File Metadata

Location	Size	Description
0x14	4 bytes	length of creator name
0x1B	i bytes	creator name
0x1B+i	4 bytes	length of description
0x1F+i	j bytes	description

0x1F+i+j	4 bytes	length of tags/keywords
0x23+i+j	k bytes	tags/keywords
0x23+i+j+k	126 bytes	checksum

4 Image Data

Location	Size	Description
0xA1+i+j+k	4 bytes	indexed colours amount
0xA5+i+j+k	1 bytes	colour palette (indexed colours)
0xA5+i+j+k+1	m bytes	image data (amount to read = width * height * triplet size)