

Ruby master - Bug #9245

Kernel::system gives wrong output for utf-8 characters on windows under utf-8 console

12/12/2013 08:47 PM - leifcr (Leif Ringstad)

Status:	Open	
Priority:	Normal	
Assignee:	cruby-windows	
Target version:		
ruby -v:	ruby 2.0.0p353 (2013-11-22) [i386-mingw32]	Backport: 1.9.3: UNKNOWN, 2.0.0: UNKNOWN

Description

Under windows console running in utf-8 mode (chcp 65001), it is expected to print utf-8 encoded characters in a script from system calls correctly.

To reproduce, create a file in utf-8 format running this:

test.rb

encoding: UTF-8

system "echo abcæøå"

output:

Make sure to set utf-8 console on windows

```
chcp 65001
ruby test.rb
abcæøå
```

The expected output is:

abcæøå

Running the following on a command prompt gives the correct output:

```
ruby -e "system 'echo abcæøå'"
```

abcæøå

The problem comes clear when running other Windows commands through command line parameters e.g:
system("notepad.exe abcæøå.txt")

Notepad will complain not finding the file abcæøå.txt instead of abcæøå.txt

It seems that there is an internal encoding done before running the command.