

Ruby master - Bug #12104

Procs keyword arguments affect value of previous argument

02/23/2016 10:15 AM - cheerfulstoic (Brian Underwood)

Status: Rejected	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: Tested in 2.3.0 and 2.2.3	Backport: 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN
Description This seems like a bug to me: <pre>2.3.0 :001 > p = Proc.new { nodes, match_array: false puts nodes.inspect } => #<Proc:0x007fa52c0659e0@(irb):1> 2.3.0 :002 > p.call([]) nil => nil 2.3.0 :003 > p.call([], match_array: true) [] => nil</pre> When I try the same thing in a method I get the behavior I would expect: <pre>2.3.0 :004 > def foo(nodes, match_array: false) 2.3.0 :005?> puts nodes.inspect 2.3.0 :006?> end => :foo 2.3.0 :007 > foo([]) [] => nil 2.3.0 :008 > foo([], match_array: true) []</pre>	

History

#1 - 02/23/2016 10:19 AM - cheerfulstoic (Brian Underwood)

This seems to also happen when trying to use a options Hash as the second argument:

```
2.3.0 :009 > p = Proc.new {|nodes, options = {}| puts nodes.inspect }
=> #<Proc:0x007fa52b13b348@(irb):9>
2.3.0 :010 > p.call([])
nil
=> nil
2.3.0 :011 > p.call([], match_array: true)
[]
```

#2 - 02/23/2016 10:26 AM - cheerfulstoic (Brian Underwood)

Looking deeper now it seems to be that this is because the first argument is an Array and that when that happens it's interpreting that as the elements of the array being the arguments of the Proc. Is that supposed to happen?

#3 - 03/16/2016 09:39 AM - ko1 (Koichi Sasada)

- Status changed from Open to Rejected

You are right.
It is intentional.

#4 - 03/16/2016 01:01 PM - znz (Kazuhiro NISHIYAMA)

How about using lambda instead of Proc.new?

```
>> p = lambda {|nodes, match_array: false| puts nodes.inspect }
```

```
=> #<Proc:0x0000000183a0a8@(irb):1 (lambda)>
>> p.call([])
[]
=> nil
>> p = lambda {|nodes, options = {}| puts nodes.inspect }
=> #<Proc:0x00000001850c68@(irb):3 (lambda)>
>> p.call([])
[]
=> nil
```

#5 - 12/14/2017 07:24 AM - hsbt (Hiroshi SHIBATA)

- Related to Feature #14183: "Real" keyword argument added

#6 - 09/05/2018 03:33 PM - marcandre (Marc-Andre Lafortune)

- Related to deleted (Feature #14183: "Real" keyword argument)