



AHHELP for CIAO 3.4

## chips\_color\_name

Context: [chips](#)

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## Synopsis

Converts a color number to a string.

## Syntax

```
String_Type chips_color_name([colorValue])
```

## Description

Returns the string equivalent of the symbolic color values in the "\_chips" namespace. The values are described in the 'Attribute values' section of "ahelp chips". The "chips\_color\_value()" function can be used to convert the names of colors to their symbolic value.

### Arguments for chips\_color\_name

Name	Type	Options	Default	Comment
colorValue	Integer_Type	black, blue, cyan, default, green, magenta, red, white, yellow (see Example 3)	default	Optional

If colorValue is outside the range of supported colors, then the string "default" will be returned. If the color value is omitted the routine will return a string containing all the available colors, separated by a newline (i.e. '\n') character.

## Example 1

```
chips> chips_color_name( _chips->red )
red
```

Here we convert the value `_chips->red` to the string "red". Since we have ignored the return value, ChIPS prints it out to the screen (see the 'Using ChIPS and Sherpa as a calculator' section of "ahelp tips").

## Example 2

```
chips> variable colname = chips_color_name( chips.curvecolor );
chips> print("The color of curves is " + colname );
```

Here use use S–Lang code to find out the name of the color used to draw curves. If the ChIPS state object has not been changed, then these commands would produce the following output:

```
The color of curves is default
```

## Example 3

```
chips> chips_color_name()
black
blue
cyan
default
green
magenta
red
white
yellow
```

Since no value is given, the list of available colors is returned. This string may be stored in a variable:

```
chips> hues = chips_color_name()
chips> print(hues)
black
blue
cyan
default
green
magenta
red
white
yellow
```

As the names are separated by the newline ('\n') character, they can be easily separated using the S–Lang `strchop()` function:

```
chips> colors = strchop( chips_color_name(), '\n', 0 )
chips> print(colors[2])
cyan
```

## Bugs

See the [bugs page for ChIPS](#) on the CIAO website for an up–to–date listing of known bugs.

## See Also

*chips*

[chips auto redraw](#), [chips clear](#), [chips color value](#), [chips get pane](#), [chips get xrange](#),  
[chips get xscale](#), [chips get yrange](#), [chips get yscale](#), [chips get zrange](#), [chips get zscale](#),  
[chips label](#), [chips line](#), [chips pickpoints](#), [chips redraw](#), [chips set pane](#), [chips set xrange](#),  
[chips set xscale](#), [chips set yrange](#), [chips set yscale](#), [chips set zrange](#), [chips set zscale](#),  
[chips split](#), [chips version](#)

## Ahelp: chips\_color\_name – CIAO 3.4

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[http://cxc.harvard.edu/ciao3.4/chips\\_color\\_name.html](http://cxc.harvard.edu/ciao3.4/chips_color_name.html)  
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