




---

 AHELP for CIAO 3.4

## xlabel

Context: [chips](#)

*Jump to:* [Description](#) [Examples](#) [Bugs](#) [See Also](#)

---

### Synopsis

Adds a label along the X-axis of a drawing area and/or changes X-axis label attributes.

### Syntax

```
chips> [D #] XLABEL ["<text>"]
```

### Description

To change X-axis label attributes:

```
chips> [D #] XLABEL <color>
chips> [D #] XLABEL [SIZE] <size_value>
```

The XLABEL command can take many arguments:

```
Argument: D #
Description: drawing area number designation
Options: integer numbers
Default: current drawing area
```

See the D command for more information about this argument.

```
Argument: <color>
Description: label color
Options: BLACK, BLUE, CYAN, DEFAULT, GREEN, MAGENTA, RED, WHITE,
        YELLOW
Default: DEFAULT (appears in ChIPS window as white; prints as black)
```

```
Argument: <size_value>
Description: label size
Options: real numbers
Default: 1.0
```

```
Argument: <text>
Description: the text for the label, which must be in quotes
              (" "). The <text> may contain TeX syntax for
              formatting text, creating mathematical expressions,
              and mixing font settings.
```

```
Options: quoted character string
```

The FONT command has more information about font options.

Issuing this command with no arguments will delete the current X-axis label.

CIAO allows some plot attributes to be changed using the ChIPS state object and resource file. See "ahelp chips" for further details.

## Example 1

```
chips> CURVE data/example.dat  
chips> XLABEL "This is the X-axis"
```

After a curve has been plotted, a label is added to the X-axis.

## Example 2

```
chips> XLABEL " "  
chips> XLABEL "\oe This \rm is \gr Greek"
```

The command XLABEL " " removes the previous X-axis label. The second XLABEL command utilizes TeX syntax in order to achieve mixed font settings in the same plot. The command produces a label where "This" is in Old English font, "is" is in Roman font, and "Greek" is in the Greek font.

## Example 3

```
chips> XLABEL YELLOW  
chips> XLABEL SIZE 1.5
```

An existing label is changed to the color yellow, then increased in size to 1.5.

## Bugs

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

## See Also

*chips*

[axes](#), [drawarea](#), [errs](#), [font](#), [grids](#), [label](#), [levels](#), [limits](#), [line](#), [linear](#), [location](#), [log](#), [relativesize](#), [split](#), [symbol](#), [ticks](#), [tickvals](#), [title](#), [ylabel](#), [zlabel](#)