

YAD

yad[*options*]

YAD is a program that will display GTK+ dialogs, and return (either in the return code, or on standard output) the user's input. This allows you to present information, and ask for information from the user, from all manner of shell scripts.

YAD is the fork of **Zenity** program.

OPTIONS

This program follows the usual GNU command line syntax, with long options starting with two dashes ('-').

Dialog options

--calendar	Display calendar dialog.
--color	Display color selection dialog.
--dnd	Display drag-and-drop box.
--entry	Display text entry dialog.
--icons	Display box with shortcut icons.
--file	Display file selection dialog.
--font	Display font selection dialog.
--form	Display form dialog
--list	Display list dialog
--notification	Display notification icon.
--progress	Display progress indication dialog.
--text-info	Display text information dialog.
--scale	Display scale dialog.

General options

--title=TITLE	Set the dialog title.
--window-icon=ICONPATH	Set the window icon.
--width=WIDTH	Set the dialog width.
--height=HEIGHT	Set the dialog height.
--timeout=TIMEOUT	Set the dialog timeout in seconds.
--timeout-indicator=POSITION	Show timeout indicator in given position. Positions are <i>top</i> , <i>bottom</i> , <i>left</i> or <i>right</i> . Style of indicator may be set through the gtkrc file. See http://code.google.com/p/yad/wiki/TimeoutIndicator for details.
--kill-parent	Send SIGTERM to parent process.
--text=STRING	Set the dialog text.
--image=IMAGE	Set the dialog image which appears on the left side of dialog. <i>IMAGE</i> might be file name or icon name from current icon theme.
--image-on-top	Show image above main widget instead of left.
--icon-theme=THEME	Use specified GTK icon theme instead of default.
--expander=TEXT	Hide main widget with expander. <i>TEXT</i> is an optional argument with expander's label.
--button=BUTTON:ID	Add the dialog button. May be used several times. <i>ID</i> is an exit code. <i>BUTTON</i> may be gtk stock item name for predefined buttons (like gtk-close or gtk-ok) or simple text label. Full list of stock items may be found in gtk-demo program, in snippet called " <i>Stock Items and Icon Browser</i> ". If no buttons specified <i>OK</i> and <i>Cancel</i> buttons used. See EXIT STATUS section for more.
--no-buttons	Don't show buttons.

--no-markup	Don't use pango markup in dialog's text.
--always-print-result	Always print result.
--dialog-sep	Show separator between dialog and buttons. Works only with gtk+-2.0.
--borders=NUM	Set dialog window borders.
--sticky	Make window visible on all desktops.
--fixed	Make window fixed width and height.
--center	Place window on center of screen.
--mouse	Place window under mouse position.
--on-top	Place window over other windows.
--undecorated	Make window undecorated (remove title and window borders).
--skip-taskbar	Don't show window in taskbar and pager.
--geometry=WIDTHxHEIGHT+X+Y	Use standard X Window geometry notation for placing dialog. When this option is used, <i>width</i> , <i>height</i> , <i>mouse</i> and <i>center</i> options are ignored.
--selectable-labels	If set, user can select dialog's text and copy it to clipboard. This option also affects on label fields in form dialog.

Calendar options

--day=INT	Set the calendar day.
--month=INT	Set the calendar month.
--year=INT	Set the calendar year.
--date-format=PATTERN	Set the format for the returned date. By default is '%x'. See strftime(3) for more details.
--details=FILENAME	Read days description from IFILENAMEP. File with days details must be in following format: <date> <description> <i>date</i> field is date in format, specified with <i>--date-format</i> option. <i>description</i> is a string with date details, which may include Pango markup.

Color selection options

--init-color=COLOR	Set initial color value.
--extra	Show extra information about color in returned string.
--palette[=FILENAME]	Show palette and set predefined colors from given filename. By default used <i>/etc/X11/rgb.txt</i> .

Drag-and-Drop box options

--command=CMD	Run command when data received. Data strings pass to command as an argument. By default data just prints to stdout.
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Text entry options

--entry-label=STRING	Set the entry label text.
--entry-text=STRING	Set the initial entry text.
--hide-text	Hide the entry text.
--completion	Use completion instead of combo-box.
--editable	Allow changes to text in combo-box.
--numeric	Use spin button instead of text entry. Additional parameters in command line treats as minimum and maximum values and step

	value (in that order). All this values are optional. Default range is from 0 to 65535 with step 1.
--licon	Set an icon on a left side of entry.
--licon-action	Specify a command which will be run when the left icon clicked. Output of command will be set as entry text.
--ricon	Set an icon on a right side of entry.
--ricon-action	Specify a command which will be run when the right icon clicked. Output of command will be set as entry text. Any extra data specified in command line adds as an items of combo-box entry, except of numeric mode. If icon specified and icon action is not given, click on icon just clear the entry. Icons are available only for entry field. Numeric field or combo-boxes will ignore the icons.

Iconbox options

--read-dir=DIRECTORY	Read .desktop files from specified directory.
--generic	Use field GenericName instead of Name for shortcut label.
--sort-by-name	Use field Name instead of filename for sorting items.
--descend	Sort items in descending order. If data reads from stdin this option is useless without <i>--sort-by-name</i> .
--stdin	Read data from stdin. Data must be in order - <i>Name, Tooltip, Icon, Command, InTerm</i> separated by newline. <i>InTerm</i> is a case insensitive boolean constant (<i>TRUE</i> or <i>FALSE</i>).
--item-width	Set items width.
--term	Pattern for terminal. By default use <code>`xterm -e %s'</code> where %s replaced by the command.

If both directory and stdin specified, content of iconbox will be read from directory.

File selection options

--filename=FILENAME	Set the filename.
--multiple	Allow selection of multiple filenames in file selection dialog.
--directory	Activate directory-only selection.
--save	Activate save mode.
--separator=STRING	Specify separator character when returning multiple filenames.
--confirm-overwrite[=TEXT]	Confirm file selection if filename already exists. Optional argument is a text for confirmation dialog.

Font selection options

--fontname=FONTNAME	Set the initial font. <i>FONTNAME</i> is a string with font representation in the form <i>[FAMILY-LIST] [STYLE-OPTIONS] [SIZE]</i> .
--preview	Set the preview text.

Form options

--field=LABEL[:TYPE]	Add field to form. Type may be <i>H, RO, NUM, CHK, CB, CBE, FL, DIR, FN, MFL, DT, CLR, BTN</i> or <i>LBL</i> . <i>H</i> - hidden field type. All characters are displayed as the invisible
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	<p>char.</p> <p><i>RO</i> - field is in read-only mode.</p> <p><i>NUM</i> - field is a numeric. Initial value format for this field is <i>VALUE[!RANGE[!STEP]]</i>, where <i>RANGE</i> must be in form <i>MIN..MAX</i>. <i>` '</i> is a default item separator.</p> <p><i>CHK</i> - checkbox field. Initial value is a case insensitive boolean constant (<i>TRUE</i> or <i>FALSE</i>).</p> <p><i>CB</i> - combo-box field. Initial value is a list <i>VAL1!VAL2!....</i>. The separator is the same as in <i>NUM</i> field.</p> <p><i>CBE</i> - editable combo-box field. Initial value same as for combo-box.</p> <p><i>FL</i> - file selection button.</p> <p><i>DIR</i> - directory selection button.</p> <p><i>FN</i> - font selection button. Initial value same as in font dialog.</p> <p><i>MFL</i> - select multiple files. Value of this field is a list of files separated by <i>item-separator</i>.</p> <p><i>DT</i> - date field.</p> <p><i>CLR</i> - color selection button.</p> <p><i>BTN</i> - button field. Initial value is a command runs when button is clicked.</p> <p><i>LBL</i> - text label. If field name is empty, horizontal separator line will be shown.</p>
--align=TYPE	Set alignment of fields labels. Possible types are <i>left</i> , <i>center</i> or <i>right</i> . Default is <i>left</i> .
--columns=NUMBER	Set number of columns in form. Fields will be placed from top to bottom.
--separator=STRING	Set output separator character. Default is <i>` '</i> .
--item-separator=STRING	Set separator character for combo-box or scale values. Default is <i>` '</i> .
--date-format=PATTERN	Set the format for the date fields (same as in calendar dialog).

Additional data in command line interprets as a default values for form fields.

List options

--column=STRING[:TYPE]	<p>Set the column header. Types are <i>TEXT</i>, <i>NUM</i>, <i>FLT</i>, <i>CHK</i>, <i>IMG</i> or <i>TIP</i>. <i>TEXT</i> type is default. Use <i>NUM</i> for integers and <i>FTL</i> for double values. <i>TIP</i> is used for define tooltip column. <i>IMG</i> may be path to image or icon name from current GTK+ icon theme. Size of icons may be set in config file. Image field prints as empty value.</p> <p>Special column names <i>@fore@</i>, <i>@back@</i> and <i>@font@</i> sets corresponding rows attributes. Values of those columns don't show in results.</p>
--checklist	Use check boxes for first column.
--separator=STRING	Set output separator characters.
--multiple	Allow multiple rows to be selected.
--editable	Allow changes to text.
--no-headers	Do not show column headers
--print-all	Print all data from the list.
--print-column=NUM	Specify what column will be printed to standard output. <i>0</i> may be used to print all columns (this is default).
--hide-column=NUMBER	Hide a specific column.
--expand-column=NUMBER	Set the column expandable by default. <i>0</i> sets all columns expandable.
--search-column=NUMBER	Set the quick search column. <i>0</i> mean to disable searching. By default search makes on first column.
--limit=NUMBER	Set the number of rows in list dialog. Will be shown only the last <i>NUMBER</i> rows. This option will take effect only when data reading from stdin.

--ellipsize=TYPE	Set ellipsize mode for text columns. <i>TYPE</i> may be <i>NONE</i> , <i>START</i> , <i>MIDDLE</i> or <i>END</i> .
--dclick-action=CMD	Set the <i>CMD</i> as a double-click command. When user double-clicked on row, <i>CMD</i> will be launched with values of all columns as an arguments. By default double-click selects row and act as <i>OK</i> button for simple lists, set the checkbox if <i>--checkboxlist</i> specified and do nothing when list run with <i>--multiple</i> option. When double-click specified <i>Enter</i> acts as a double-click and <i>Ctrl+Enter</i> acts as an <i>OK</i> button. <i>CMD</i> may contain a special character <i>%s</i> for setting a position for arguments. By default arguments will be concatenated to the end of <i>CMD</i> .
--regex-search	Use regular expressions in search for text fields.

Notification options

--command=CMD	Set the command running when clicked on the icon.
--listen	Listen for commands on stdin. See NOTIFICATION section.
--separator=STRING	Set separator character for menu values. Default is <i>` `</i> .
--item-separator=STRING	Set separator character for menu items. Default is <i>`!`</i> .

Progress options

When the *--progress* option is used, yad reads lines of progress data from stdin. When the lines begin with *#* the text after *#* is displayed in the progressbar label. Numeric values treats like a percents for progress bar.

--progress-text=STRING	Set text in progress bar to <i>STRING</i> .
--percentage=INT	Set initial percentage.
--rtl	Set Right-To-Left progress bar direction.
--auto-close	Close dialog when 100% has been reached.
--auto-kill	Kill parent process if cancel button is pressed.
--pulsate	Pulsate progress bar.

Text options

--filename=FILENAME	Open specified file.
--editable	Allow changes to text.
--fore=COLOR	Set foreground color of text
--back=COLOR	Set background color of text
--fontname=FONT	Set text font. <i>FONT</i> must be in a Pango font description format.
--wrap	Enable text wrapping.
--justify=TYPE	Set justification. <i>TYPE</i> may be <i>left</i> , <i>right</i> , <i>center</i> or <i>fill</i> . Default is <i>left</i> .
--margins=SIZE	Set text margins to <i>SIZE</i> .
--tail	Autoscroll to end when new text appears. Works only when text is read from stdin.
--show-uri	Make URI in text clickable. Links opens with <i>xdg-open</i> command.

Scale options

--value=VALUE	Set initial value.
--min-value=VALUE	Set minimum value.
--max-value=VALUE	Set maximum value.
--step=VALUE	Set step size.
--page=VALUE	Set paging size. By default page value is <i>STEP*10</i> .
--print-partial	Print partial values.
--hide-value	Hide value.
--vertical	Show vertical scale.
--invert	Invert scale direction.

--mark=[NAME]:VALUE	Add a mark to scale. May be used multiply times. <i>NAME</i> is an optional arguments for set label to mark.
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Miscellaneous options

-?, --help	Show summary of options.
--about	Display an about dialog.
--version	Show version of program.

Also the standard GTK+ options are accepted.

NOTIFICATION

Allows commands to be sent to yad in the form **command:args**. Possible commands are *icon*, *tooltip*, *visible*, *action*, *menu* and *quit*.

icon:ICONNAME	Set notification icon to ICONNAME.
tooltip:STRING	Set notification tooltip.
visible:[true false blink]	Set notification icon to visible, invisible or blinking states.
action:COMMAND	Specify the command running when double-clicked on the icon. Special string " <i>quit</i> " exit the program.
menu:STRING	Set popup menu for notification icon.STRING must be in form <i>name1!action1 name2!action2....</i> Empty name add separator to menu.Separator character for values (e.g. ` ') sets with --separator argument.Separator character for menu items (e.g. `!') sets with --item-separator argument.
Quit	Exit the program. Middle click on icon also send <i>quit</i> command.

USER DEFINED SIGNALS

SIGUSR1 Close dialog with 0 exit code.
SIGUSR2 Close dialog with 1 exit code.

EXIT STATUS

0 The user has pressed *OK* button
1 The user has pressed *Cancel* button
70 The dialog has been closed because the timeout has been reached.
252 The dialog has been closed by pressing *Esc* or used the window functions to close the dialog

Exit codes for user-specified buttons must be specified in command line. Even exit code mean to print result, odd just return exit code.

WIDGETS NAMES

The look and feel of yad's dialogs can be customized through gtkrc file. Here is the names of yad's widgets:

Widget name	Widget type	Description
yad-dialog-window	GtkDialog	Dialog window
yad-dialog-image	GtkImage	Dialog image
yad-dialog-label	GtkLabel	Dialog text
yad-calendar-widget	GtkCalendar	Calendar widget
yad-color-widget	GtkColorChooser	Color selection widget
yad-color-palette	GtkTreeView	Predefined colors list

yad-entry-label	GtkLabel	Entry label
yad-entry-widget	GtkEntry	Entry widget
yad-entry-spin	GtkSpinButton	Entry widget for numeric values
yad-entry-combo	GtkComboBox	Entry widget with combo
yad-entry-edit-combo	GtkComboBoxEntry	Entry widget with editable combo
yad-file-widget	GtkFileChooser	File selection widget
yad-font-widget	GtkFontChooser	Font selection widget
yad-form-flabel	GtkLabel	Field label in form
yad-form-button	GtkButton	Button field in form
yad-form-entry	GtkEntry	Entry field in form
yad-form-spin	GtkSpinButton	Numeric entry field in form
yad-form-check	GtkCheckButton	Checkbox field in form
yad-form-combo	GtkComboBox	Combo field in form
yad-form-edit-combo	GtkComboBoxEntry	Editable combo field in form
yad-form-file	GtkFileChooserButton	File or directory field in form
yad-form-font	GtkFontChooserButton	Font field in form
yad-form-color	GtkColorChooserButton	Color field in form
yad-form-label	GtkLabel	Label field in form
yad-form-separator	GtkHSeparator	Separator in form
yad-icons-full	GtkIconView	Icons widget for normal mode
yad-icons-compact	GtkTreeView	Icons widget for compact mode
yad-list-widget	GtkTreeView	List widget
yad-progress-widget	GtkProgressBar	Progressbar widget
yad-vscafe-widget	GtkScale	Vertical scale widget
yad-hscale-widget	GtkScale	Horizontal scale widget
yad-text-widget	GtkTextView	Text info widget
yad-timeout-indicator	GtkProgressBar	Timeout indicator

EXAMPLES

Display a file selector with the title *Select a file to remove*. The file selected is returned on standard output.

```
yad --title="Select a file to remove" --file-selection
```

Display a text entry dialog with the title *Select Host* and the text *Select the host you would like to flood-ping*. The entered text is returned on standard output.

```
yad --title "Select Host" --entry --text "Select the host you would like to flood-ping"
```

Display a dialog, asking *Microsoft Windows has been found! Would you like to remove it?*. The return code will be 0 (true in shell) if *YES* is selected, and 1 (false) if *NO* is selected.

```
yad --image "dialog-question" --title "Alert" --button=gtk-yes:0 --button=gtk-no:1 --text
"Microsoft Windows has been found! Would you like to remove it?"
```

Show the search results in a list dialog with the title *Search Results* and the text *Finding all header files....*

```
find . -name '*.h' | yad --list --title "Search Results" --text "Finding all header files.." --
column "Files"
```

Show an icon in the notification area

```
yad --notification --image=update.png --text "System update necessary!" --command
"xterm -e apt-get upgrade"
```

Display a weekly shopping list in a check list dialog with *Apples* and *Oranges* pre selected

```
yad --list --checklist --column "Buy" --column "Item" TRUE Apples TRUE Oranges
FALSE Pears FALSE Toothpaste
```

Display a progress dialog while searching for all the postscript files in your home directory

```
find $HOME -name '*.ps' | yad --progress --pulsate
```

Display a box with all of the installed desktop applications

```
yad --icons --read-dir=/usr/share/applications
```

DEVELOPMENT

There are some developers features providing with YAD.

YAD icon browser is a graphical tool for discover icons in current or user-specified GTK+ icon theme. Launch it as

yad-icon-browser [theme]

When using autoconf you may use special m4 macro *AM_PATH_YAD* for looking for yad and check it version. Usage of this macro is

AM_PATH_YAD([MIN-VERSION],[ACT-FOUND],[ACT-NOT-FOUND])

AUTHOR

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