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Geometric shapes



Click this Icon to open the **Standard Drawing Features window**.

Opposite, you have the various geometric shapes that can be accessed from the **Tools palette**. When drawn in your document, the geometric shapes are shown with handles at each angle and in the middle. You can draw rectangles, squares, circles or ellipses; the grid lets you make a rectangle with the grid squares.

Definition of a handle

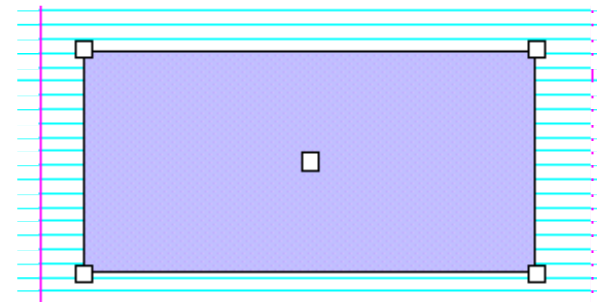
The handles on a drawing are small rectangles at each extremity of the drawing plus one at its center. A line has three handles, while a rectangle, a grid or a circle have five.

The handles at the extremities are used to distort the drawing, while the center handle is used to move the drawing or fill it in with a color using the paint jar tool from the info palette.



The handles only appear on the screen when you are using a tool capable of using them or if you have selected a drawing. (1 left click on a handle). In this case the handles are green. These handles are not visible in the printed drawing.

Drawing Objects and Drawing Tools



Initial sketch of a drawing
Use one of the drawing tools. Depending on this tool, you will draw a line, a rectangle, a two grid with two by two boxes (by default), a circle or an ellipse.

Place the tool at the point where you want to start the drawing, press the left mouse button, and drag the mouse.

You will draw the shape selected depending on the tool, release the button when the drawing is as you want it. It can be changed at any time by clicking on the handle and dragging the mouse.

The finished drawing is displayed with the various features selected beforehand from the drawing menu: Pattern, Style and line thickness.



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Drawing objects and the Drawing tools

Lines

Five line styles are offered. Only the rule lets you play with the line thickness. The others only allow a **single thickness** of a **point**.

The thicknesses are given in points.

1,3,5,7,10,15,20,25,30,40.

These thicknesses can be changed to the nearest point using the Edit drawing dialog box. Once you have chosen the line, the dialog box opens at the top of your screen and allows you to change its settings. The drawing menu also lets you access change line style and change line thickness submenu.

Line Style

Solid
Dotted
Dashes
Dash / Point
Dash / Point / point
Invisible



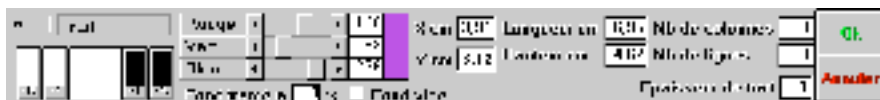
the outlines are invisible, if you do not want an outline around a geometric shape

Line Thickness

1 point
3 points
5 points
7 points
10 points
15 points
20 points
25 points
30 points
40 points

To get thicker or thinner lines. After selecting the line, choose from the list offered.

Dialog Box Edit Drawing





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Changes

Text will always be in the foreground compared to a geometric shape.

A drawing can always be modified either by clicking on it with the drawing tool, then you drag the mouse to get the new shape, or you double-click and you can access the dialog box.

Deleting a drawing



Use this eraser tool and superimpose the small square at the end of the eraser over one of the handles. Then left-click to erase the drawing.

Foreground



Use this icon, Click on the geometric shape to switch it to the foreground.

Move

Use one of the drawing tools from the **Tools palette** and place the cursor on the center handle of the drawing. Press the left mouse button and drag the drawing to its new position, then release the mouse button.

Changing the shape

Use one of the drawing pencils from the **Tools palette** and place the cursor on the handle of one of the extremities of the drawing. Press the left mouse button and drag the cursor in the direction of distortion.

Color change.



Use the pipette tool and double click on the center handle (color and background) on one of the contour handles (color and contour) to access the color components change window. You work in the three colorimetric modes simultaneously.



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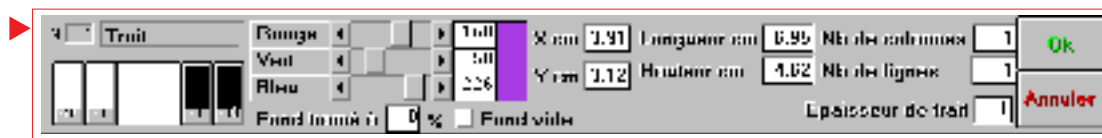
Drawing objects and Drawing Tools

Selection

To select a drawing, use one of the drawing tools from the [Tools palette](#), click the left mouse button once on one of the handles.

The handles of the drawing will then appear in green, and as a result the drawing will take into account all the changes to the [standard drawing features](#) or a change in the [drawing menu](#).

Double-click one of the handles of the drawing; the Edit Drawing [dialog box](#) opens at the top of your screen you can change the settings for this shape.





POINT ZERO

is located at the top left of your document; it is the starting point for the rulers and measurements.

Numbering the object by order of creation

Type of drawing shape selected

line

Circle

Rectangle

grid

Elipse

Cursors for adjusting the colors, drag the cursor to the right or to the left to change the color

Digital values of the colors

Position of the selected shape compared to point Zero.

Columns:

Number of boxes **Horizontal**

lines :

Number of vertical boxes, also called «rows»

Subdivision into grid boxes, enter the number of boxes desired

N°

Rectangle

-10

-1

+1

+10

Red

Green

Blue

191

191

191

Gray

%

☐ Transparent

X cm

Y cm

Long

Height

No of Column

No of Rows

hickness,in points

☒ OK

Gray shading.
Enter the gray value as a percentage.

Check this box for a transparent background

Color selected

Length and Height dimensions of the object selected; enter the new values


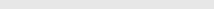
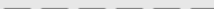
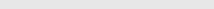
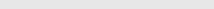
Line thickness only works with rules.



Drawing Setup

Line Thickness , in points

Line Style

- ☒ Solid 
- ☐ Dotted 
- ☐ Dashes 
- ☐ Dash / Point 
- ☐ Dash / Point / Point 
- ☐ Invisible

Corners

- ☒ Square
- ☐ Round

Corner Radius

Vertical in points

Horizontal in points

Type of Fill

- ☒ Transparent
- ☐ Diagonal Right 
- ☐ Diagonal Left 
- ☐ Horizontal Lines
- ☐ Vertical Lines
- ☐ Cross Hatch : Horiz+Vert
- ☐ Diagonal Hatch
- ☐ Black Fill
- ☐ White Fill
- ☐ Gray
- ☐ Color

Gray in % %

Gray 

Red 

Green 

Blue 

Grid Setup

No of Rows

No of Column

☒ Background Color



☐ Border Color



Design Choice

