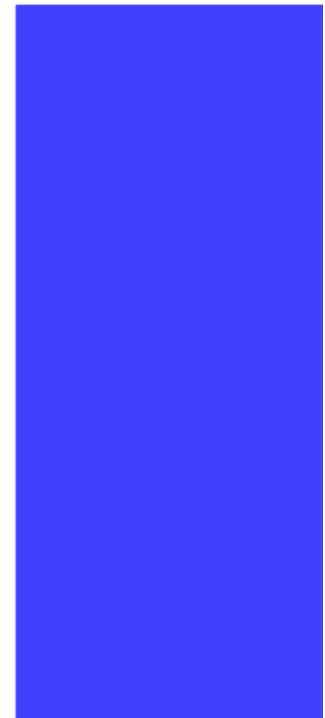
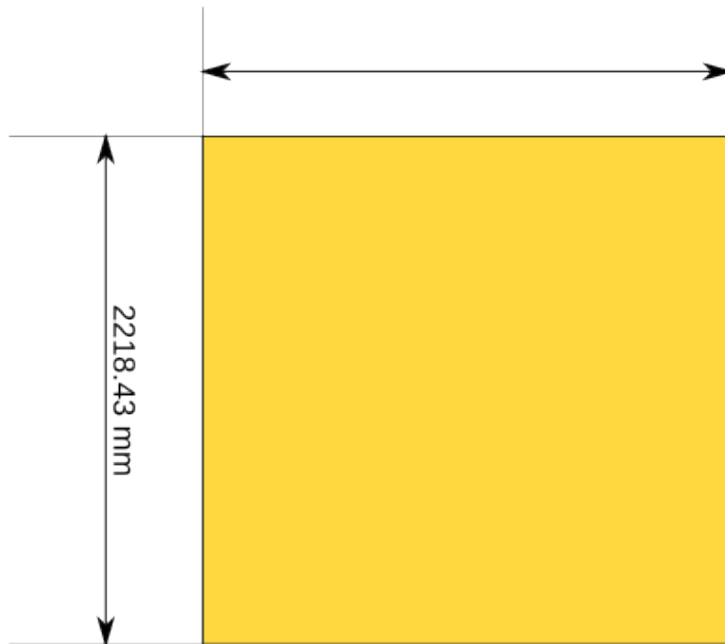


THE JOY OF INKSCAPE

OPEN SOURCE VECTOR GRAPHIC ILLUSTRATION



... in brief

- Inkscape is an Open Source scalable vector graphic (SVG) editor. Donna will showcase Inkscape art and practical applications, demonstrate Vector Drawing techniques, and provide pointers on where to go to learn more.
- Donna Benjamin runs her own business and procrastinates daily by exploring new features and bugs of the bleeding edge version of Inkscape. She has managed to find legitimate uses of the software for creating web graphics, re-creating corporate logos and creating posters and banners. Creative Contingencies does customised web application development, hosting, research and meeting facilitation.
- Donna is currently writing a book on Inkscape due for publication in late 2009

Download Resources

<http://cc.com.au/inkscape>



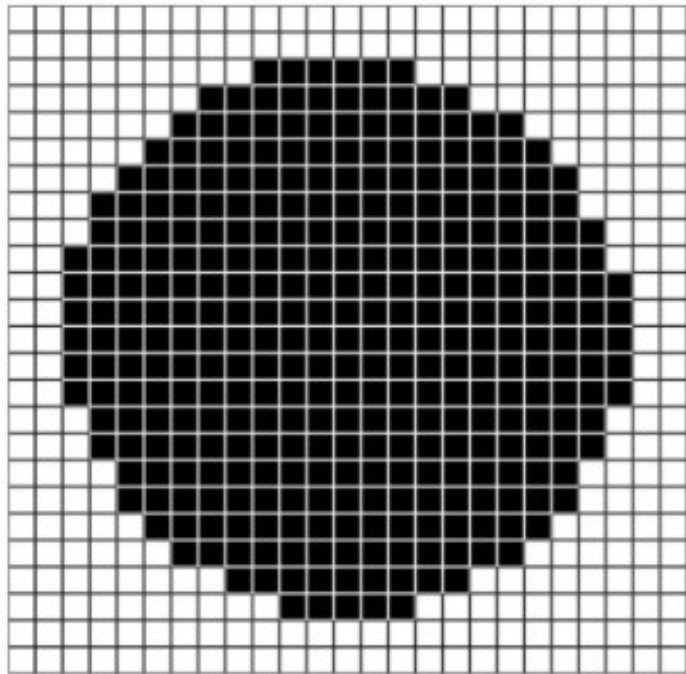
this workshop ...

- starts with a brief description of Inkscape
 - what it is
 - what it does
- and finishes off with pointers to help you do it too.

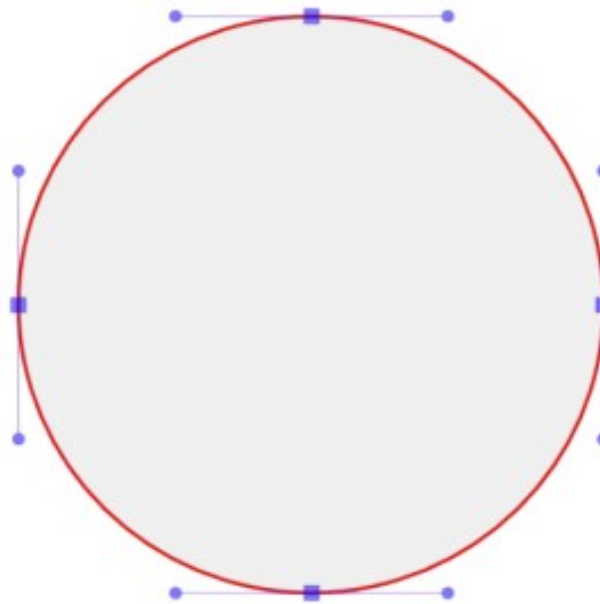
scalable vector graphics

- **Native File format is W3C SVG1.1**
 - ★ <http://www.w3.org/Graphics/SVG/>
 - ★ SVG is a language for describing two-dimensional graphics and graphical applications in **XML**.
SVG 1.1 is a W3C Recommendation and forms the core of the current SVG developments.
- Interoperable with a range of apps, and useful modern web browsers.
(watch out for blurs, gradients & transparency)

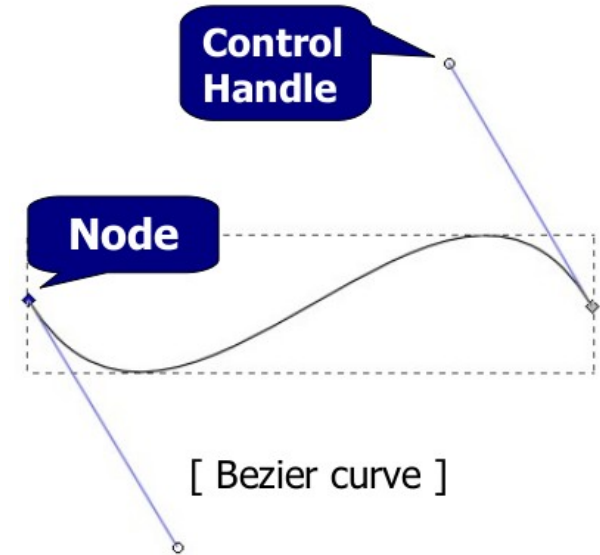
raster and vector



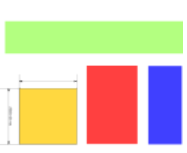
Bitmap / Raster



Vector



$$p(t) = \sum_{i=0}^n \binom{n}{i} t^i (1-t)^{n-i} p_i$$



... for art's sake



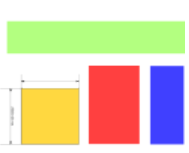
http://klowner.com/wallpaper/show/emerald_hunter/

... for art's sake



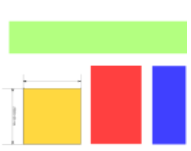
... for art's sake





... for art's sake

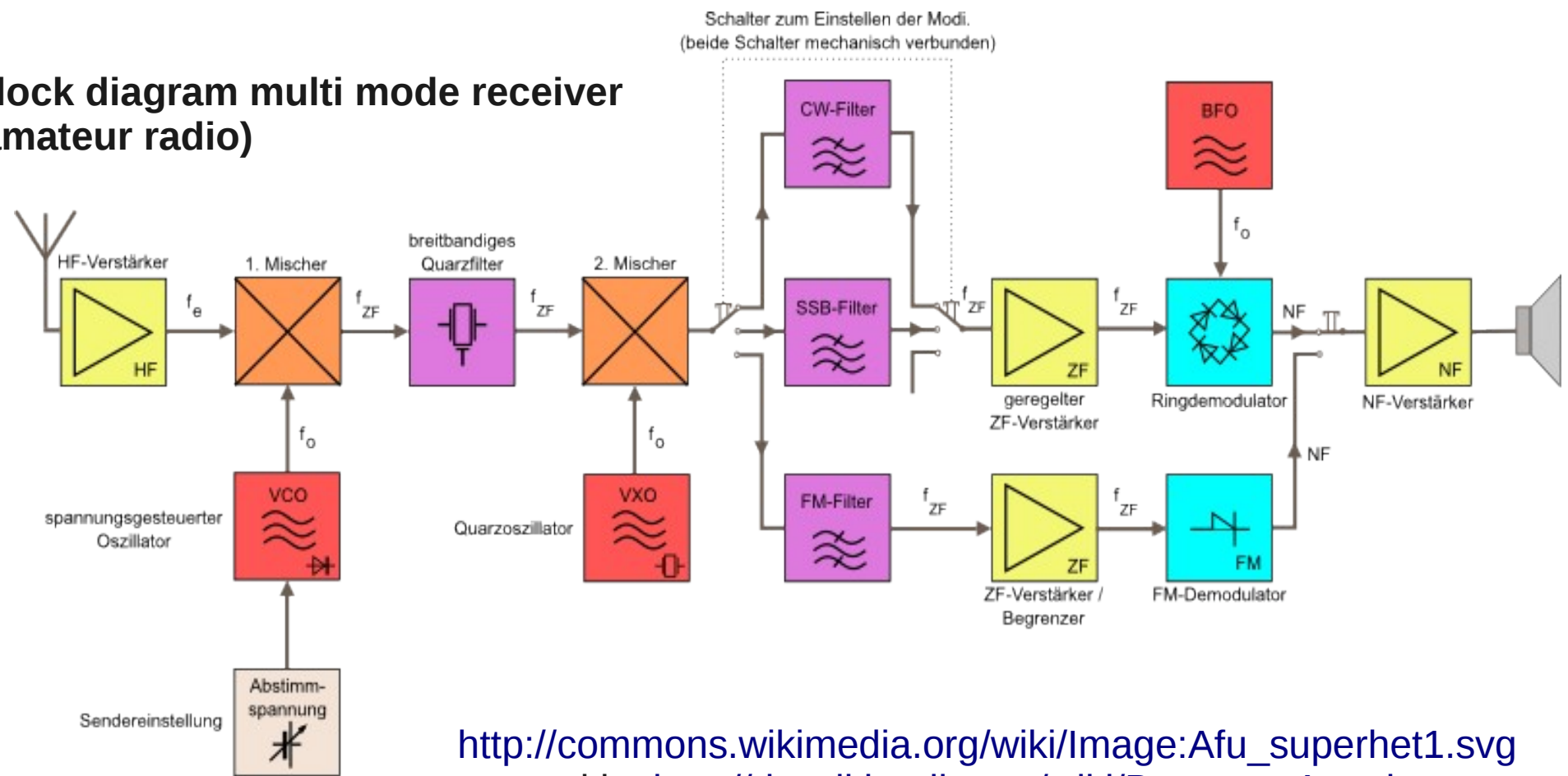




... for art's sake

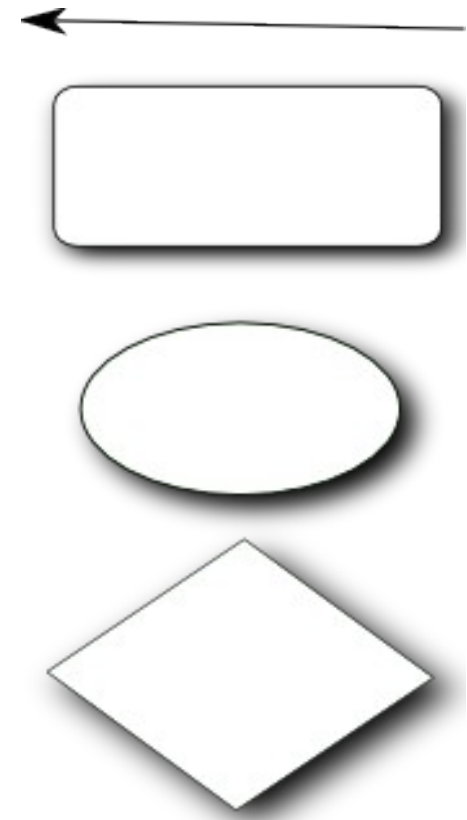
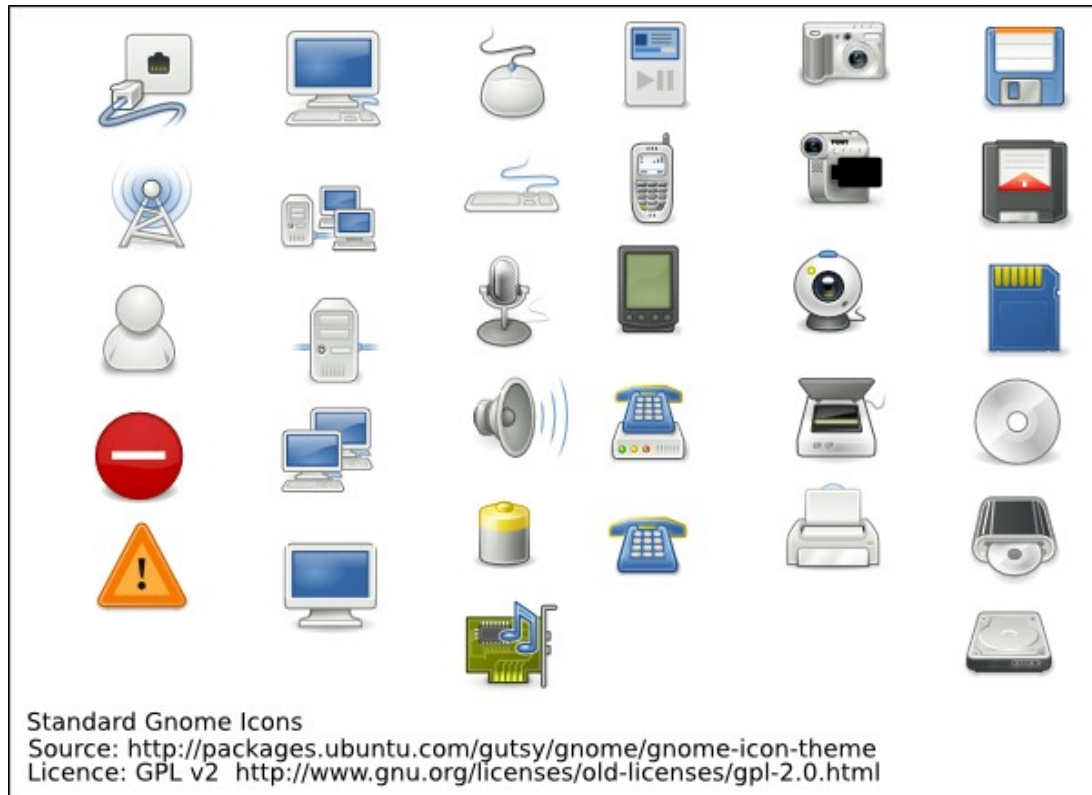


Block diagram multi mode receiver (amateur radio)



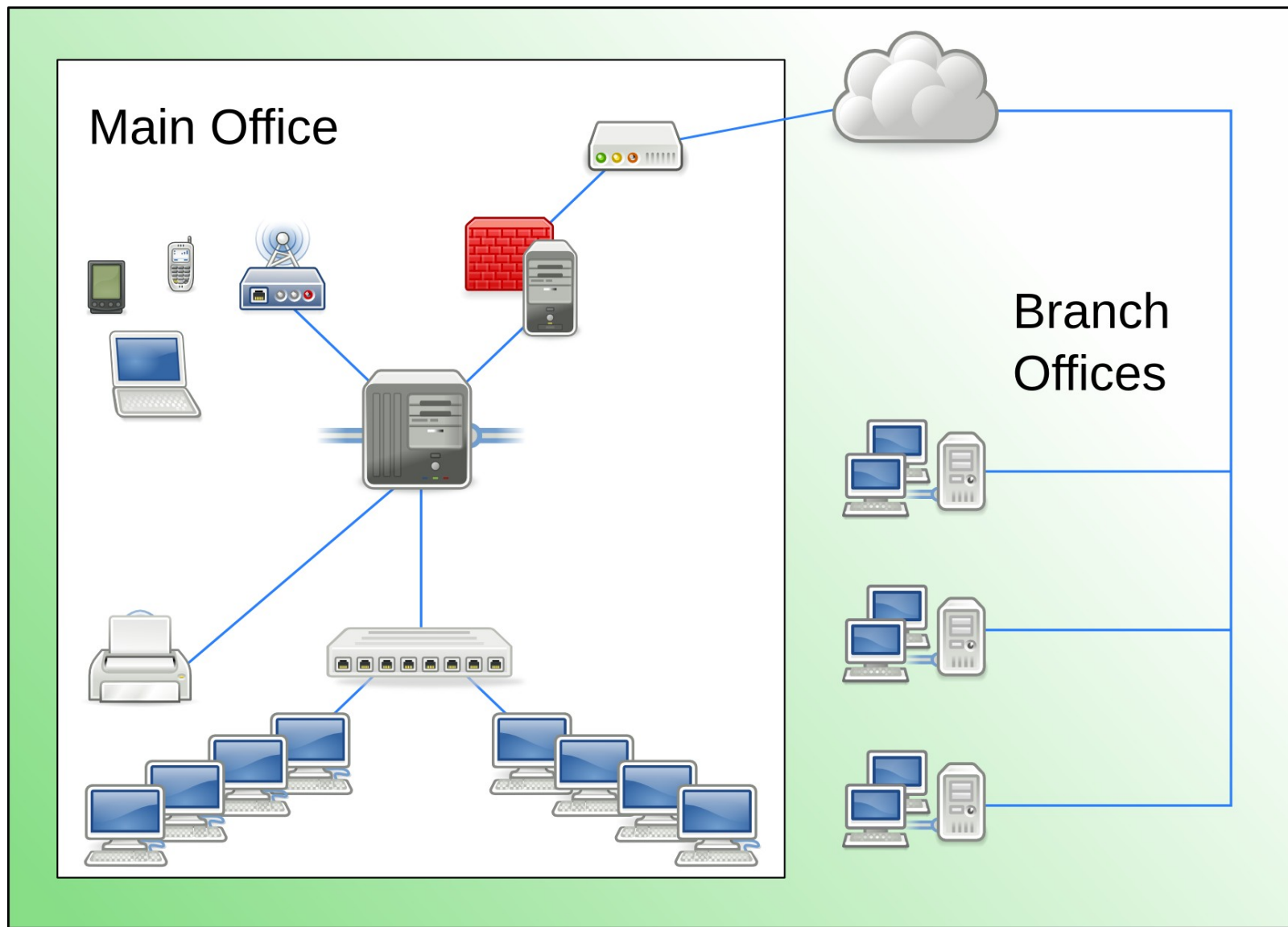
http://commons.wikimedia.org/wiki/Image:Afu_superhet1.svg
created by <http://de.wikipedia.org/wiki/Benutzer:Appaloosa>

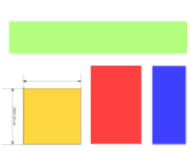
... for diagrams



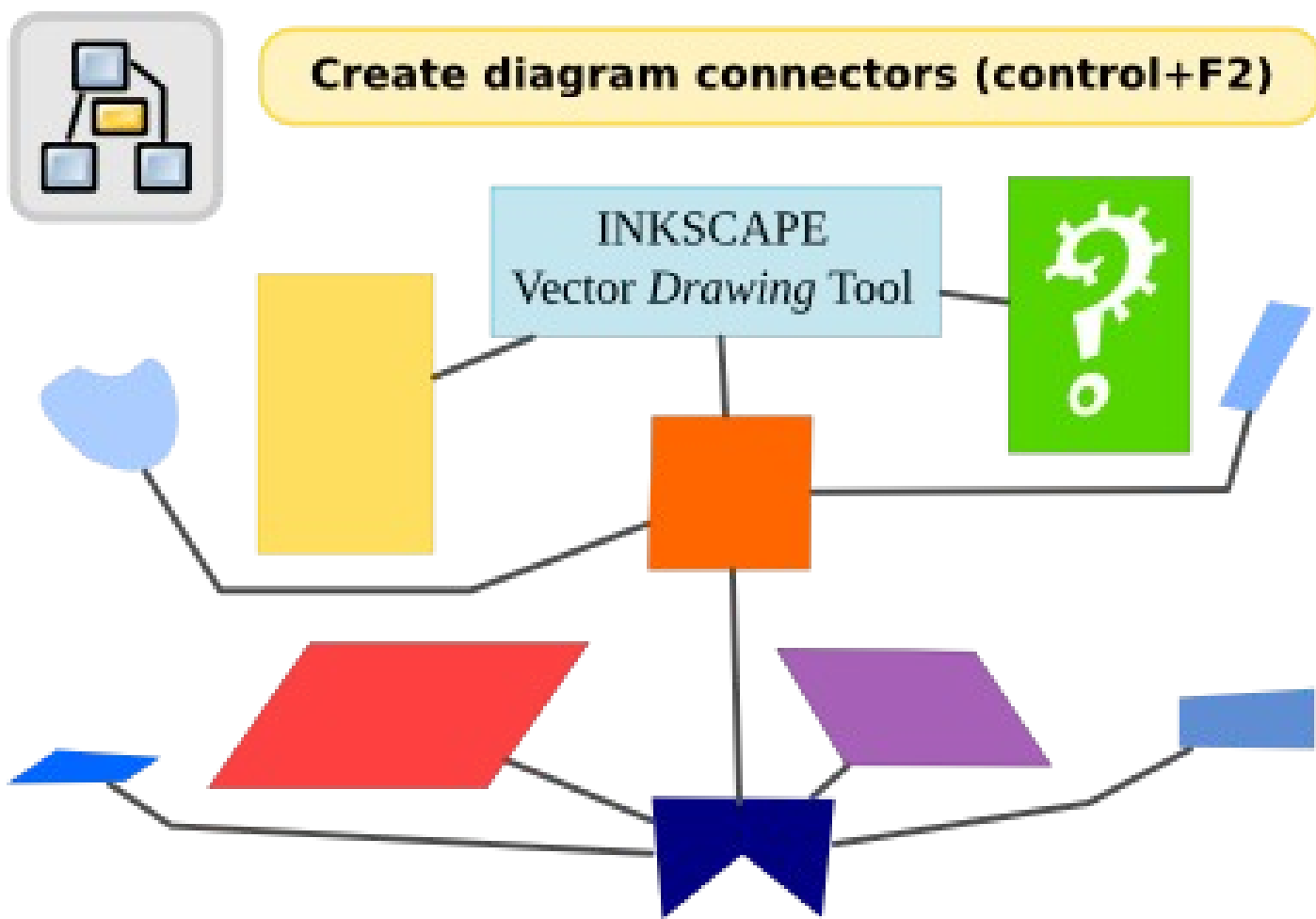
<http://www.lynchconsulting.com.au/blog/index.cfm/2008/2/12/Pretty-network-diagrams-and-flow-charts-with-Open-Source-software>

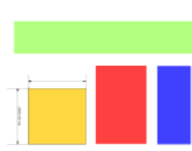
... of networks



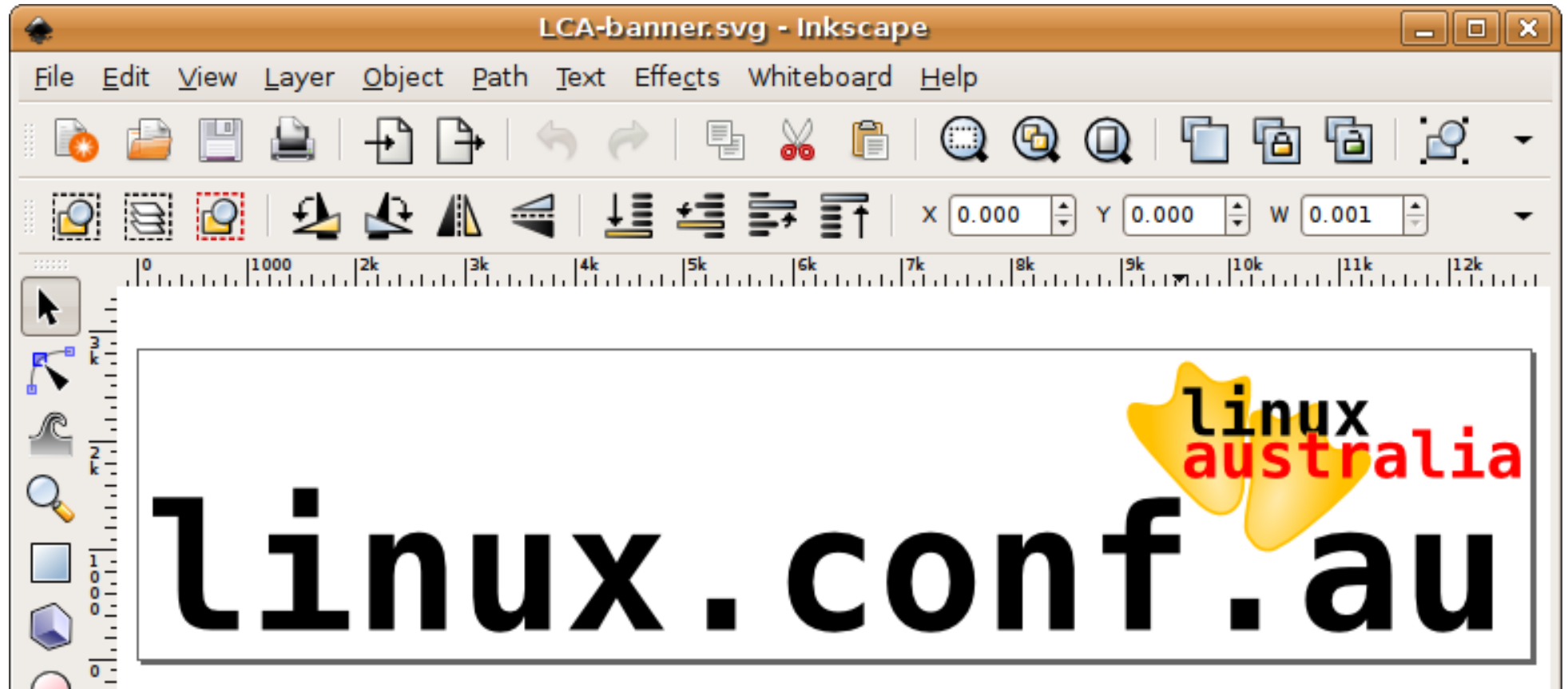


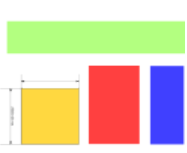
... for diagrams





... for signs & logos





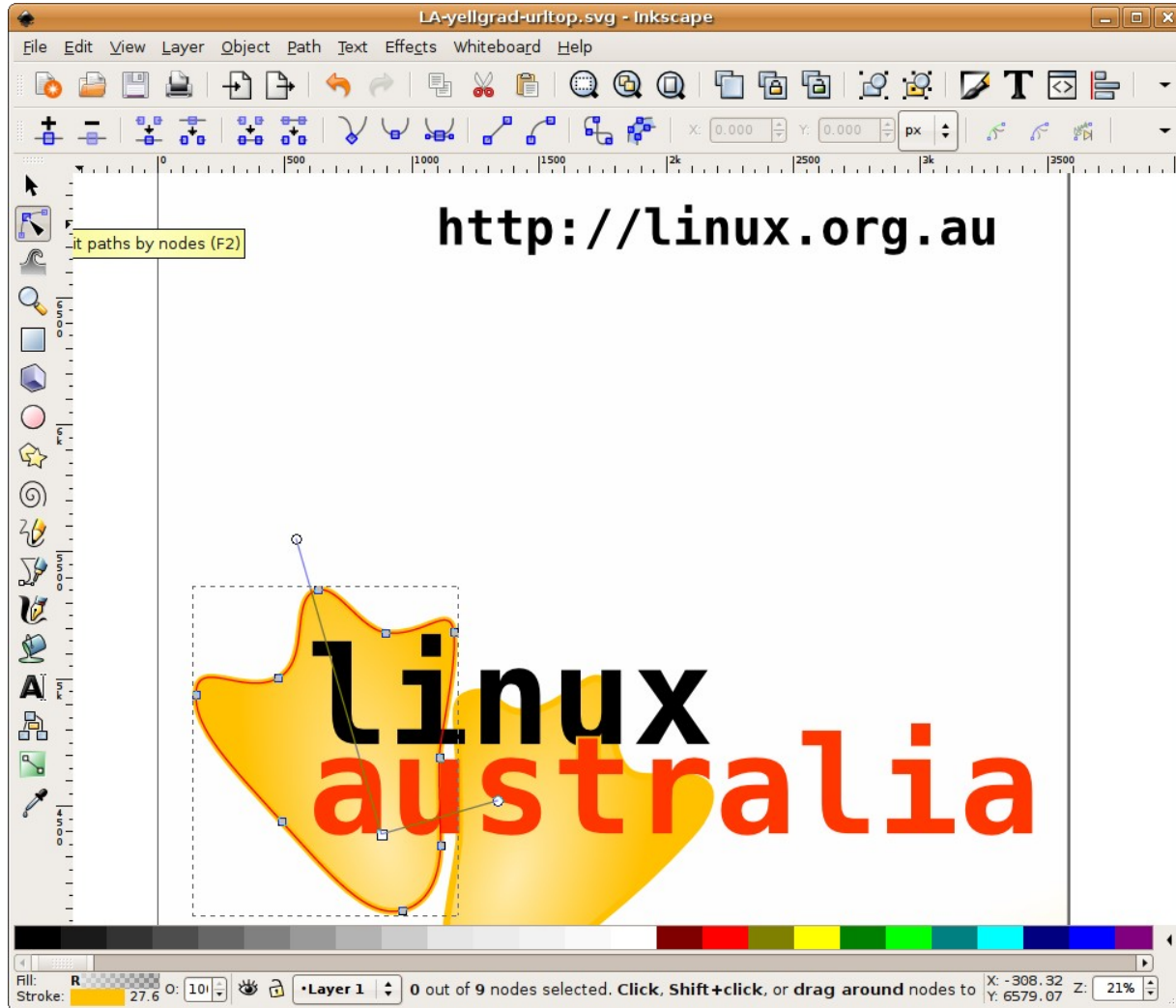
... for signs & logos

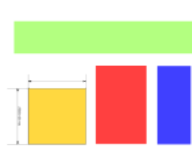


<http://www.flickr.com/photos/chrissamuel/2222027499>

THE JOY OF INKSCAPE

... for trade banners





... for websites



corporate_report_page4.xml - Bluefish 1.0.7

File Edit View Tags Dialogs Document Go Project External Help

```

201 <g>
202   <path
203     id="path4801" d="M -2.5,-0.80913858 C -2.5,1.9508614
204     -4.7400000,4.1908614 -7.5,4.1908614 L -7.5,-5.8091386
205     C -4.7400000,-11.9508614 -2.5,-12.9508614
206     style="fill:#000000;stroke:#000000;stroke-width:1px"
207     transform="translate(124.621,124.621) rotate(45)"/>
208 <xsl:variable name="report" value="$report = new $class( $respondent, $survey->id );"/>
209 <xsl:variable name="page" value="// This needs to run in a loop, for each page. We pdftk to a si"/>
210 <xsl:if test="$page" value="foreach( $report->pages as $i => $page ) {"/>
211   <rect
212     x="124.621" y="124.621" width="100" height="100"/>
213     $args['xml'] = $page->xml();
214     file_get_contents( sprintf( "%s.xml", $page->t
215     );
216     die( "XSLT Error : ". xslt_error( $x ) );
217     process( $x, 'arg:/xml', 'arg:/xsl', null, $args
218     $x ) ) die( "XSLT Error : ". xslt_error( $x ) );
219     mkstemp(3). Settle down, Beavis.
220     printf( "%s.pdf", tempnam( TMPDIR, APPNAME ) );
221     printf( "%s.svg", tempnam( TMPDIR, APPNAME ) );
222     unlink( $svg_tmp );
223     unlink( $pdf_tmp );
224     unlink( $tmp );
225     unlink( $tmp );
226     unlink( $tmp );

```

```

cafuego@gibson
$report = new $class( $respondent, $survey->id );
// This needs to run in a loop, for each page. We pdftk to a si
foreach( $report->pages as $i => $page ) {
  $args['xml'] = $page->xml();
  file_get_contents( sprintf( "%s.xml", $page->t
);
die( "XSLT Error : ". xslt_error( $x ) );
process( $x, 'arg:/xml', 'arg:/xsl', null, $args
$x ) ) die( "XSLT Error : ". xslt_error( $x ) );
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printf( "%s.pdf", tempnam( TMPDIR, APPNAME ) );
printf( "%s.svg", tempnam( TMPDIR, APPNAME ) );
unlink( $svg_tmp );
unlink( $pdf_tmp );
unlink( $tmp );
unlink( $tmp );
unlink( $tmp );

```

linux.conf.au
MELBOURNE2008
28jan - 02feb

Invoice Date: 16 Nov, 2007
Invoice No: 30369 / 100489

Tax Invoice
Linux Australia Inc.
ABN 56 987 117 479

Attention: Donna Benjamin
Creative Contingencies
PO Box 13272
Law Courts VIC 8010
Australia
donna@melbourne.org

PO Box 13272
Law Courts
VIC 8010
Australia
+61 3 9235 5454
payments@melbourne.org

This invoice has been issued as a result of an application to attend linux.conf.au 2008

Description	QTY	Cost	Total (Inc. GST)
Professional Registration	1	\$748.00	\$748.00
Total			\$748.00

Includes 10% Commonwealth Goods and Services Tax \$68.00

linux.conf.au is a project of Linux Australia Inc.

what i mean[®]
Anonymous Respondent
Date: 21 April 2008

How to read your profile
In this summary report, your profile is illustrated by the ColourGrid pattern on the right. In this case, the Grid is a reflection of you in your Household, in other words the people you live with will have had an influence on the resulting pattern.

The ColourGrid matrix is visually depicted as 4x4 ColourTiles. Each ColourTile represents a distinctly different combination of drivers of behaviour, change and choice, otherwise known as Mindsets.

The position of each ColourTile reflects similarities and differences between patterns of behaviour, some of which are outlined in the "Critical Consumer Issues" ColourGrid below.

The size of each of the ColourTiles indicates their relative influence when you are making choices in life. Crosses indicate the Mindsets that you are less likely to employ and the greytiles show where you are neutral compared with other Australians.

As a trial experience, we have provided you with a Critical Consumer Issue for each of the 16 Mindsets. The largest ColourTiles in your profile represents your 'critical issues' as a consumer. In other words, if you were the target customer, the most effective key points of engagement and influence that combine to shape the reasons you buy and the reasons you don't.

It's these differences that make each of us uniquely different, and rather than typocast you in a 'box' we believe that engaging any consumer effectively requires a true understanding of these influences.

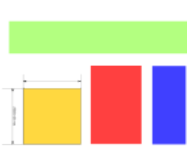
COLOURGRID "CRITICAL CONSUMER ISSUES"

Issue	Issue	Issue	Issue
Ease of use and clarity of application	Quality of the supply chain support and premium positioning	Brand quality and consistency in design/execution	Technical excellence and professional recognition
Personal satisfaction with obtaining the desired benefit	Return on investment of time and effort	Comparative advantage over other brands or suppliers	Superior image and identity associated with purchase decision
Easy access to credit & terms with immediate access to the benefits	Proval of IT with benefit levels & disposable income of the home	Resource & equipment that is concentrated in both use & prior purchase cycle	Promotional support and wide presence to build your awareness
Demonstrated improvement and value of purchase options	Focus upon the buyer's current situation and the terms of the sale agreement	Links to (re)you resources including educational, health and security	Demonstrated ability to meet learning & living development requirements

Level 15
461 Bourke St
Melbourne
Vic 3000
Australia
P 1300 724 636
F 1300 658 534
www.clutch.com.au

Talk to us about engaging your customers more effectively, and getting more control over your results
www.whatimean.com.au for a comprehensive report covering how these differences impact your life, work, your choices and preferences in your career and your health and wellbeing www.whatimean.com

PAID



... for games

KMahjongg

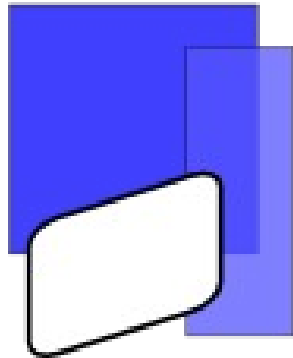
The background
was created by
Eugene Trounev
and the tilesets
by Raquel
Ravanini...

Thanks Ian :)

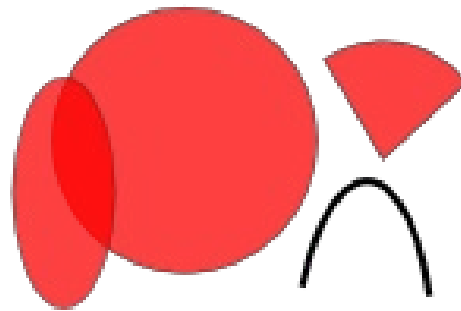


Basic tools

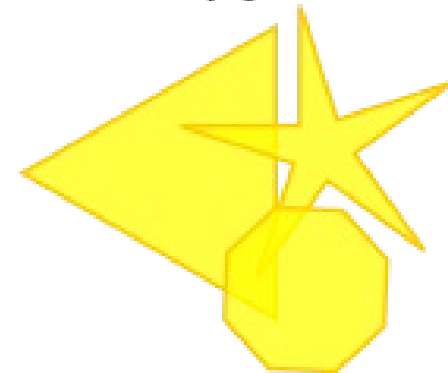
Squares &
Rectangles



Circles, Wedges
Arcs & Ellipses



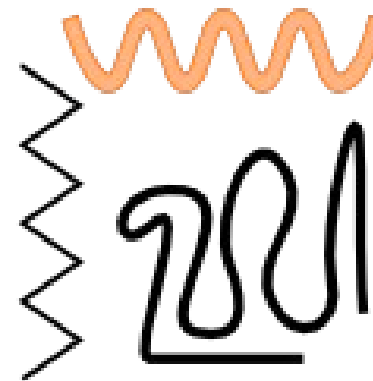
Stars &
Polygons



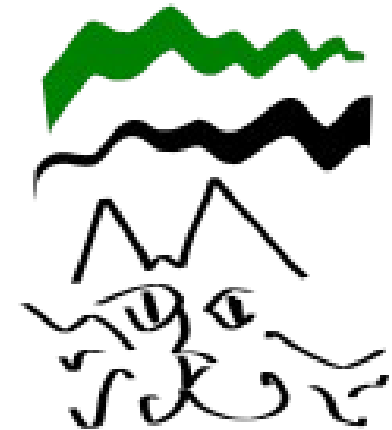
Spirals



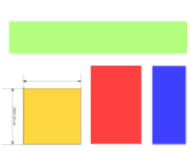
Freehand lines



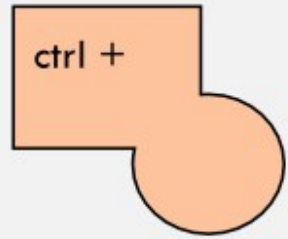


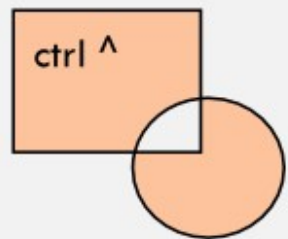


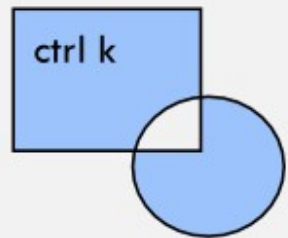
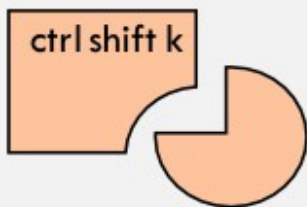
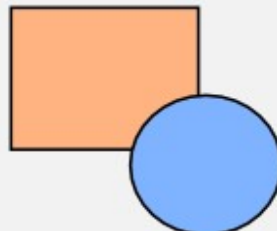
Bezier Curves
& Straight lines



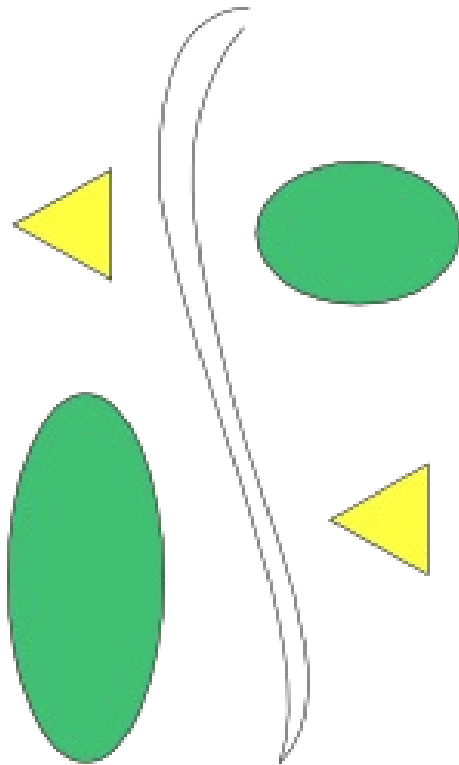
Calligraphy



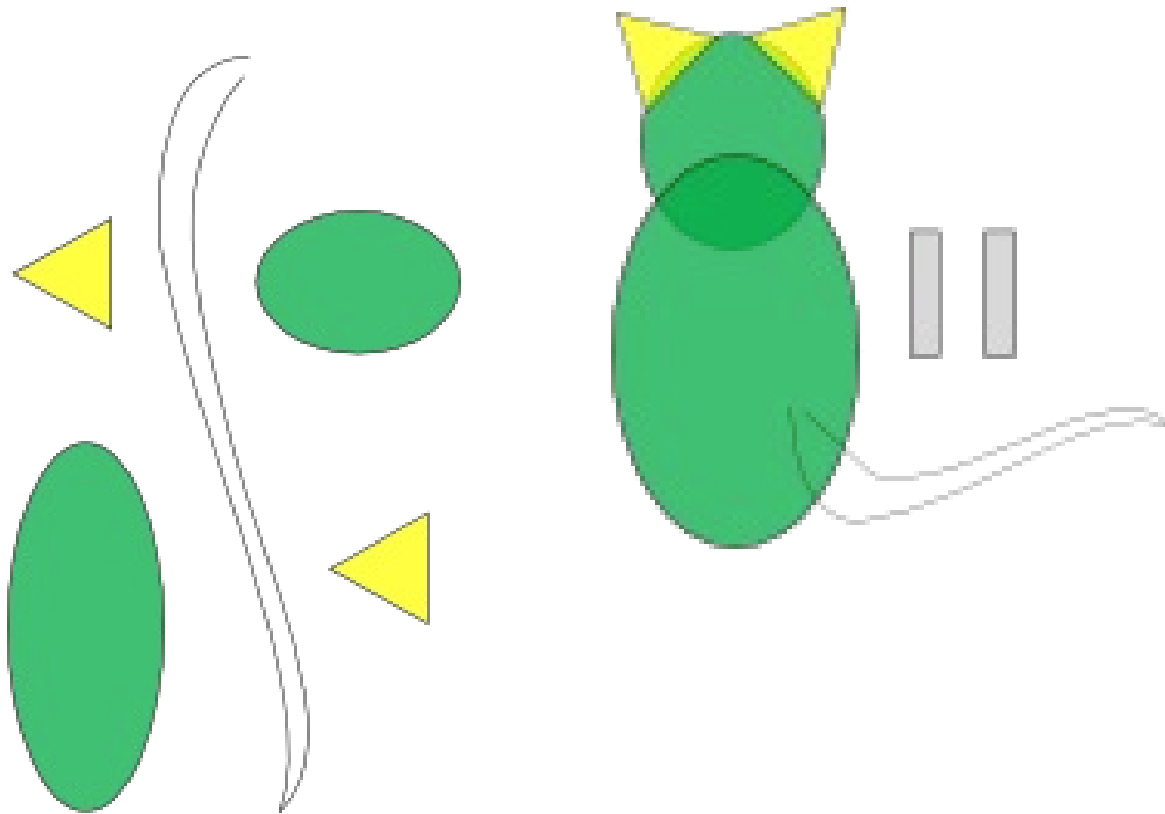
Basic techniques

<p>union</p> <p>ctrl +</p> 	<p>difference</p> <p>ctrl -</p> 	<p>intersection</p> <p>ctrl *</p> 
<p>exclusion</p> <p>ctrl ^</p> 	<p>division</p> <p>ctrl /</p> 	<p>cut path</p> <p>ctrl alt /</p> 
<p>combine</p> <p>ctrl k</p> 	<p>break apart</p> <p>ctrl shift k</p> 	<p>original</p> 

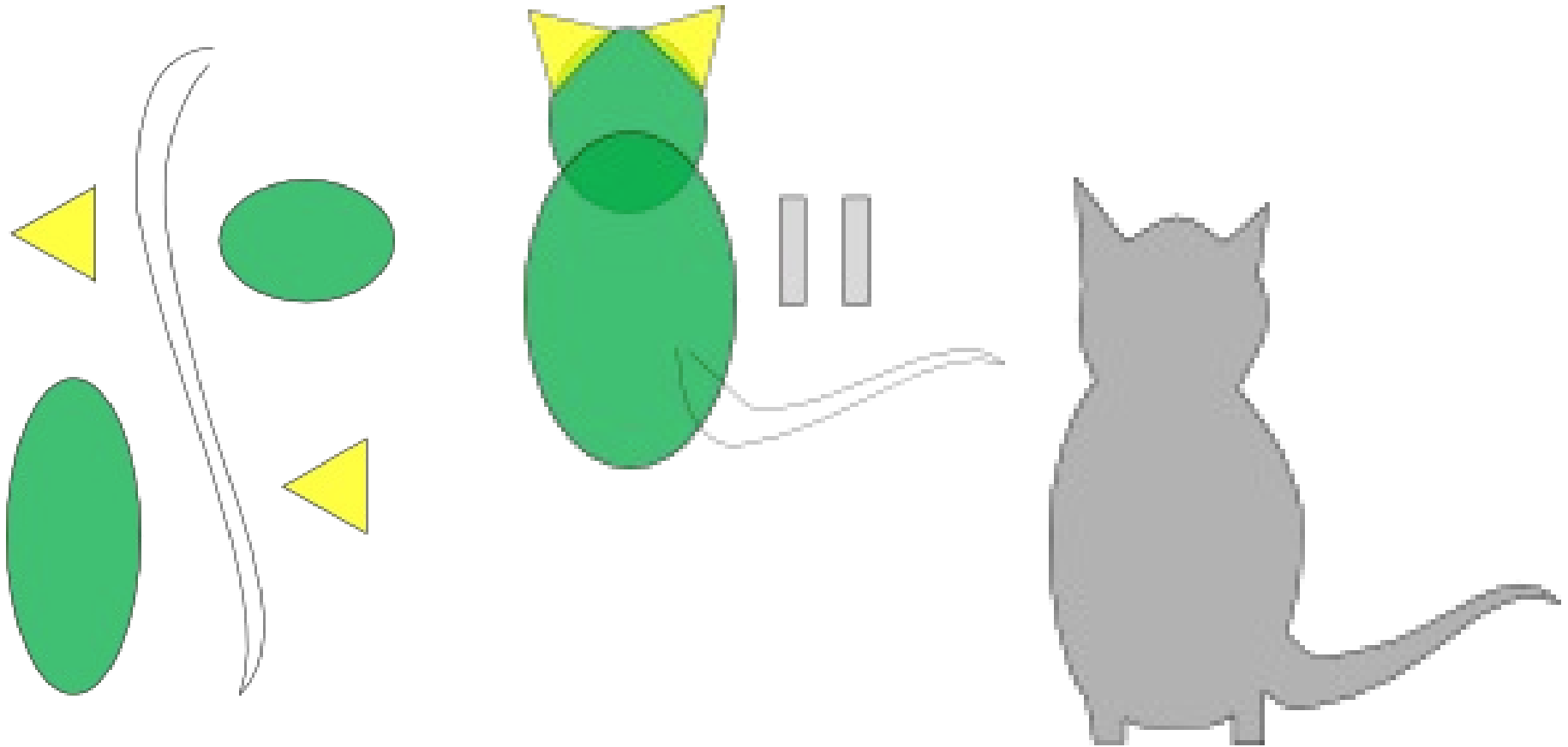
Basic techniques

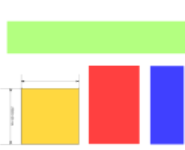


Basic techniques

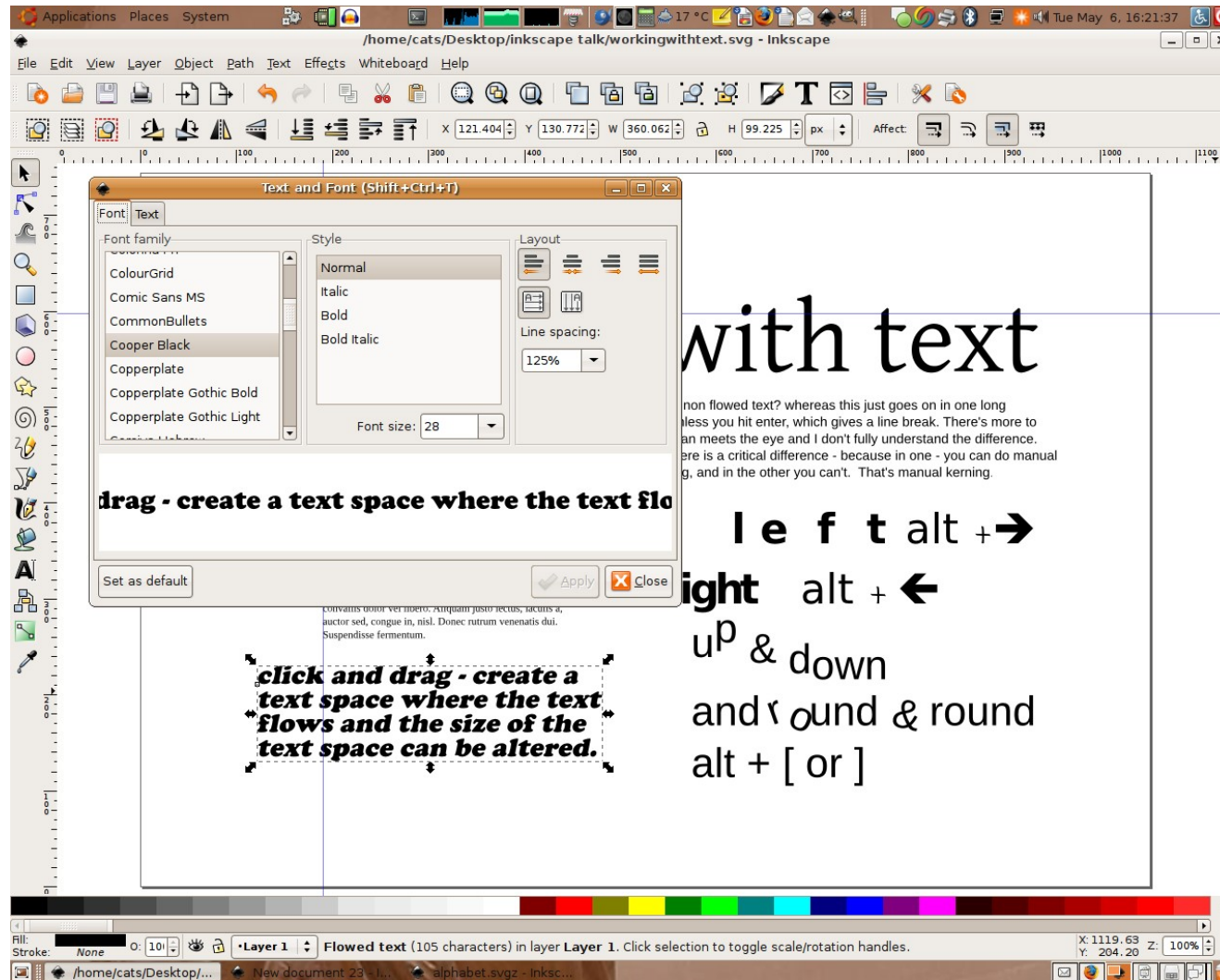


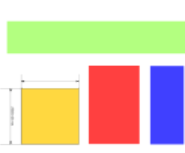
Basic techniques





Working with text





Trace bitmap



Trace bitmap



Trace bitmap

original



brightness cutoff



edge detection



select invert image

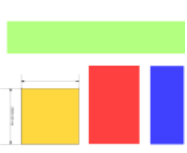
... or options off



Multiple Scans: 6

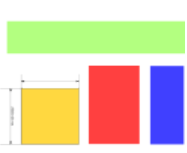
Colors



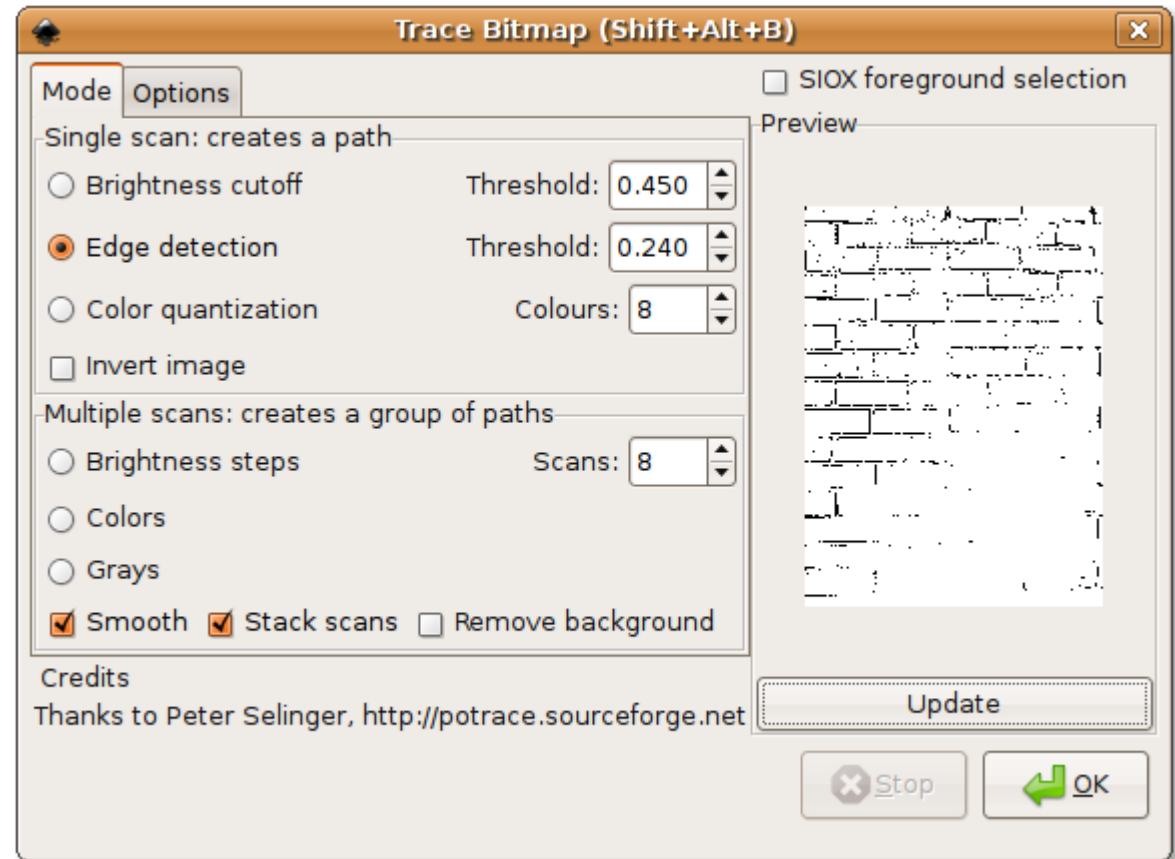


Trace bitmap





Trace bitmap



LUV poster

- Take photo of bricks
- Trace bitmap
- Add
 - text and rotate
 - logos
 - box
- Make the text white
- Add vector grime



- You can clone anything...

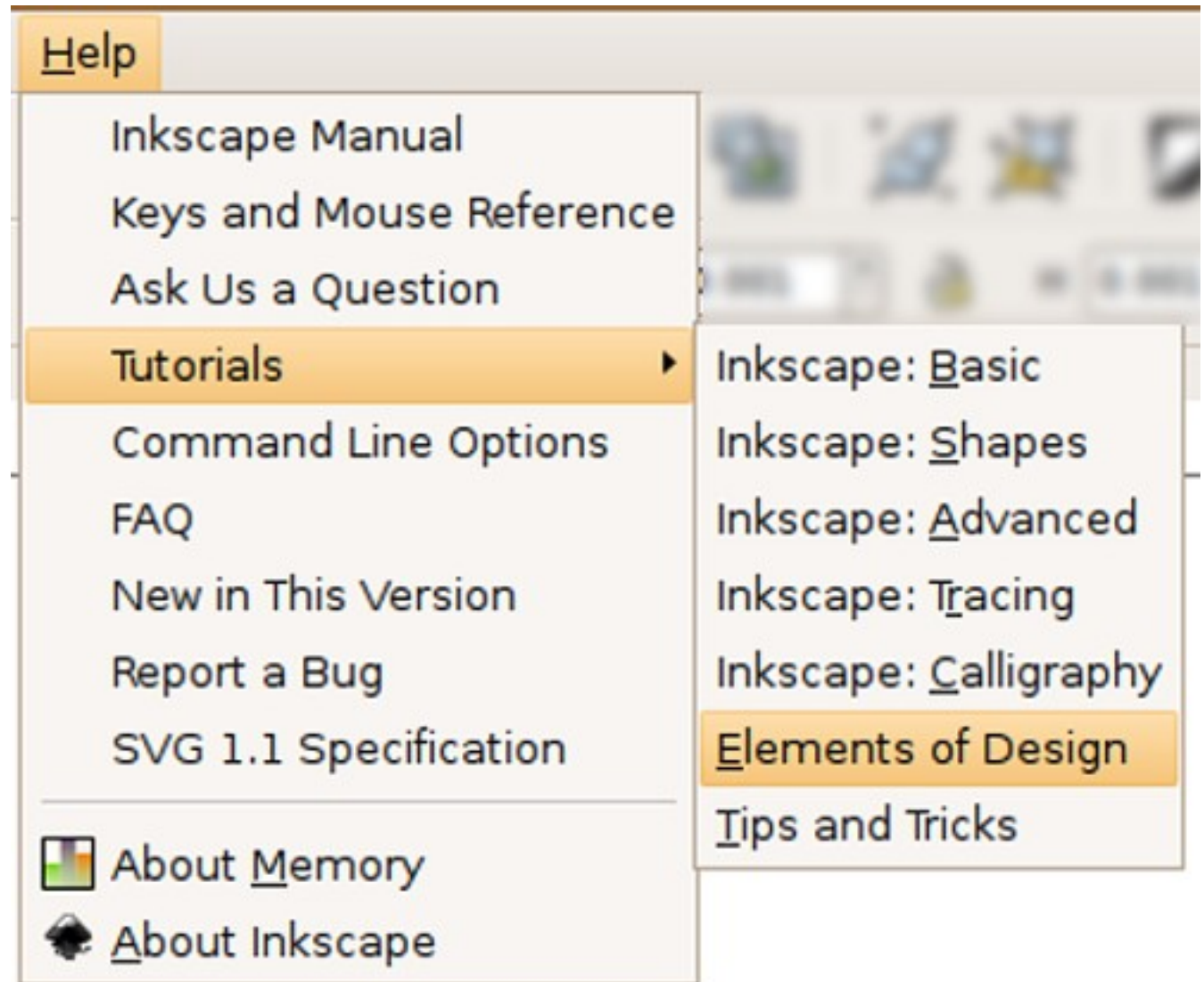


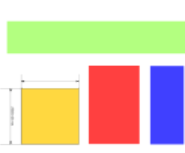
<http://flickr.com/photos/enygmatic/319747296/>

- Time for a live demo?
[note to self:
cross fingers, hold breath]

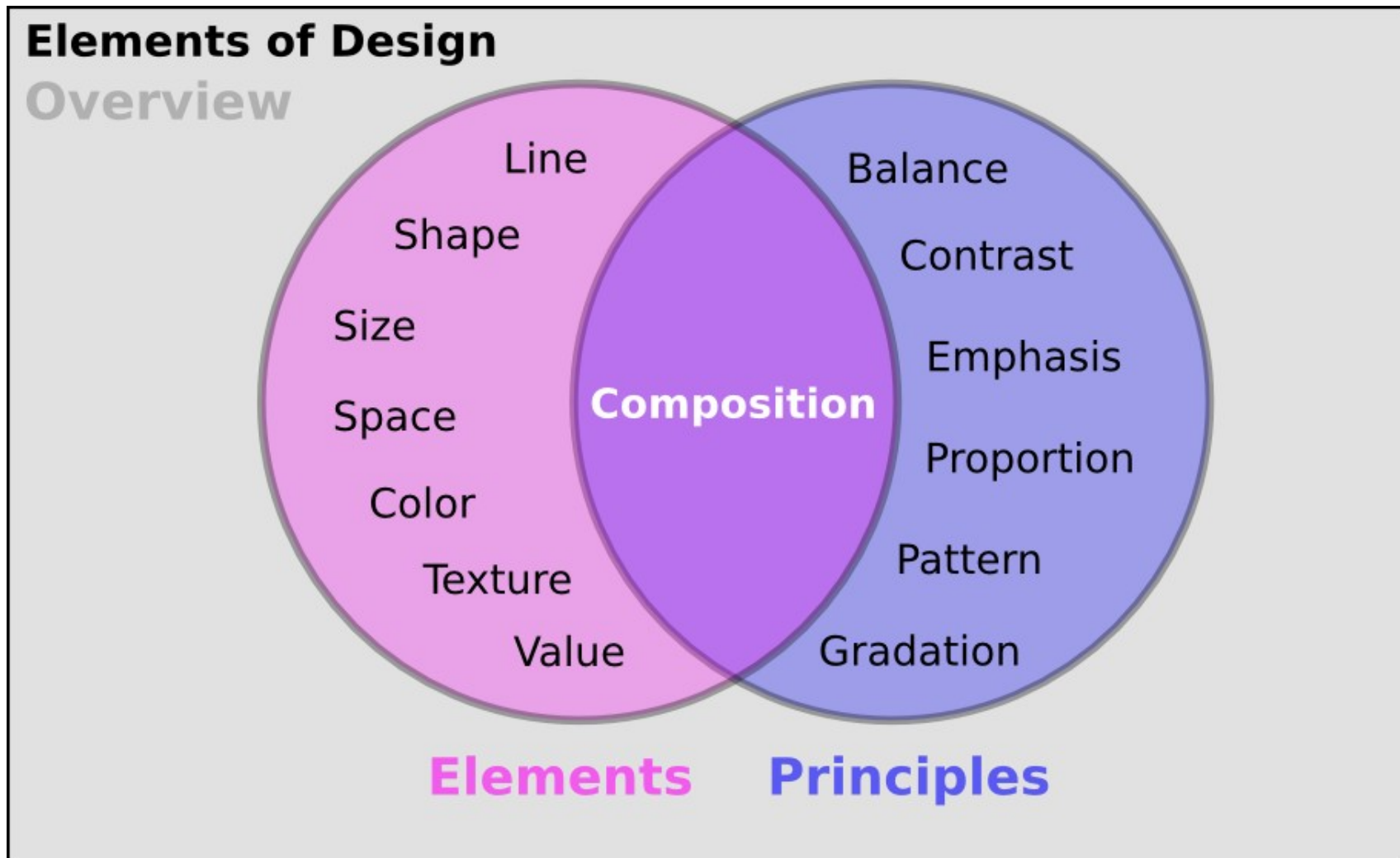
Built in help

- There are Tutorials in the help menu.
- SVG format so you can work with them directly.

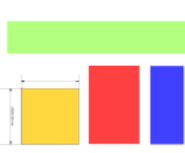




Elements of design



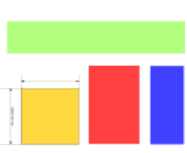
From the Elements of Design Inkscape Tutorial



Learning something new...



<http://flickr.com/photos/mcquain2/483523872/>



is satisfying.



http://flickr.com/photos/sukanto_debnath/2355441460/

Pick a task

- Graphics:
icons, logos, buttons, clip art
(computer, mainframe, pencil)
- Page layout:
newsletters, web pages, banners
(kattekrab, linux-aus)
- Diagrams:
networks, concept maps, charts
- Trace Bitmap:
(hope and anchor)

Refs & tutorials

Basic Info (and some examples)

<http://commons.wikimedia.org/wiki/Inkscape>

<http://en.wikipedia.org/wiki/Inkscape>

Techniques, Tips, Tricks & Tutorials

<http://www.ffnn.nl/pages/articles/media/inkscape-text-tricks.php>

<http://inkscaPETutorials.wordpress.com/>

<http://kalaalog.com/2007/11/01/inkscape-path-operations-basic-tutorial/>

<http://redhathigh.pbwiki.com/Illustration+with+Inkscape>

<http://screencasters.heathenx.org/>

Tiled Clones

<http://inkscape.teekoo.com/index.php?select=bar>

Bezier curves

<http://raikardesigns.blogspot.com/2007/10/fascinating-bezier-curves.html>

http://en.wikipedia.org/wiki/B%C3%A9zier_curve

Network Diagrams

<http://www.lynchconsulting.com.au/blog/index.cfm/2008/2/12/Pretty-network-diagrams-and-flow-charts-with-Open-Source-software>

<http://www.ioncannon.net/utilities/123/10-tips-for-creating-good-looking-diagrams-using-inkscape/>