



Barcodes:
Read It, Write It, Hack It

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Most Important Thing

Barcode
=
Text Input

4 Basic Types

- Linear/1D: UPC, Postal, and Shmoo
- Matrix/2D: Aztec, PDF-417, QR
- Colored/3D: Microsoft
- Time-Phased/4D: University of Weimar

Linear/1D



UPC-A



Code 128



Postnet



Code 93



Code 39

Matrix/2D



PDF-417



QR

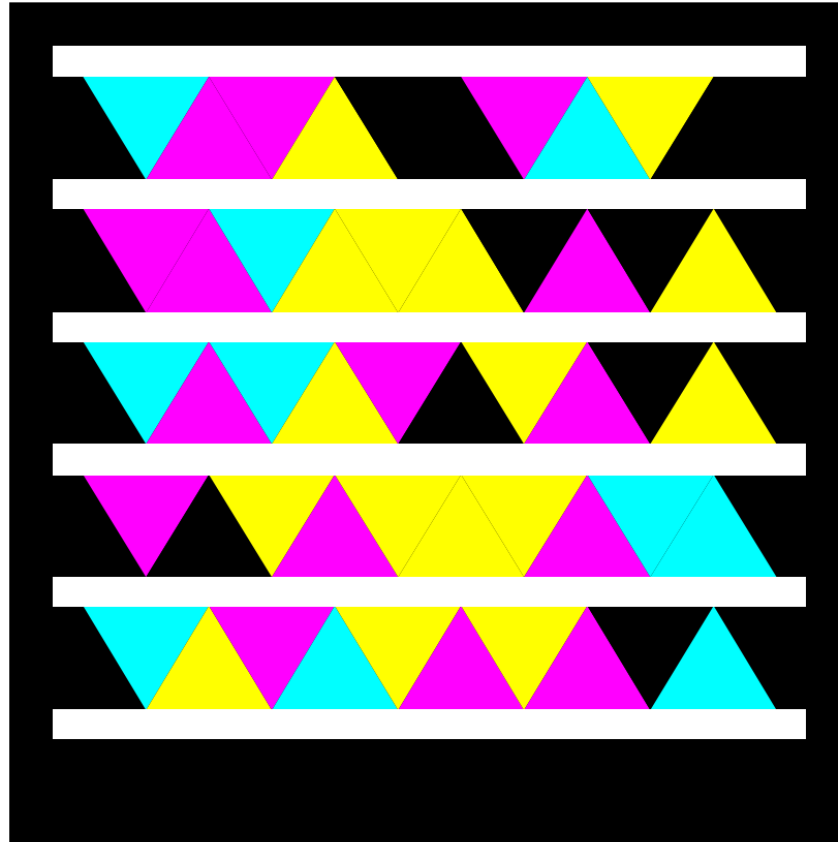


Aztec



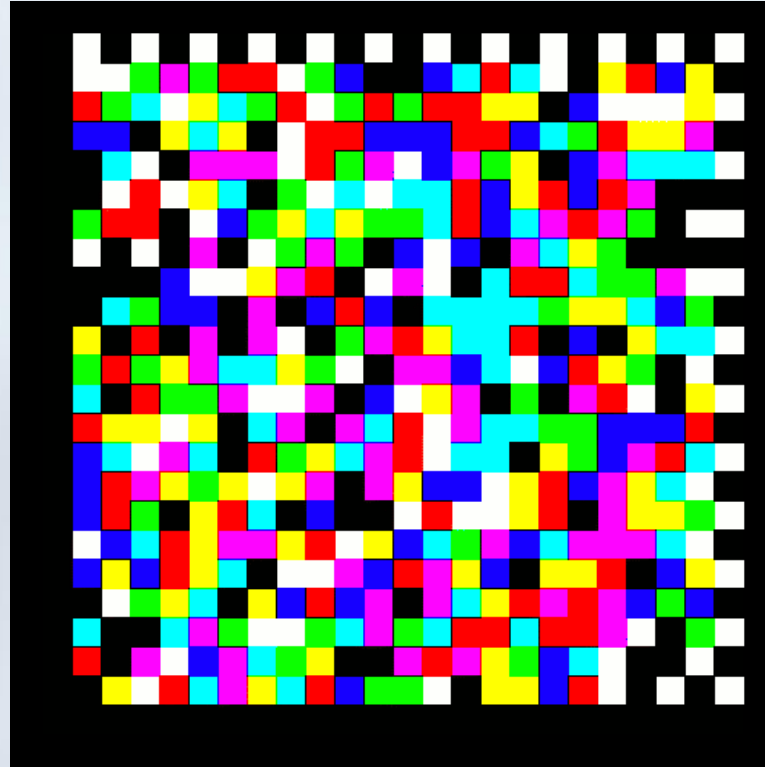
Datamatrix

Colored/3D



Source:Wikimedia

Time-Phased/4D



If this doesn't look like an MP3 visualizer with moving color, download the presentation and view it in "slide show mode" or search the Internet.

Source: University
of Weimar

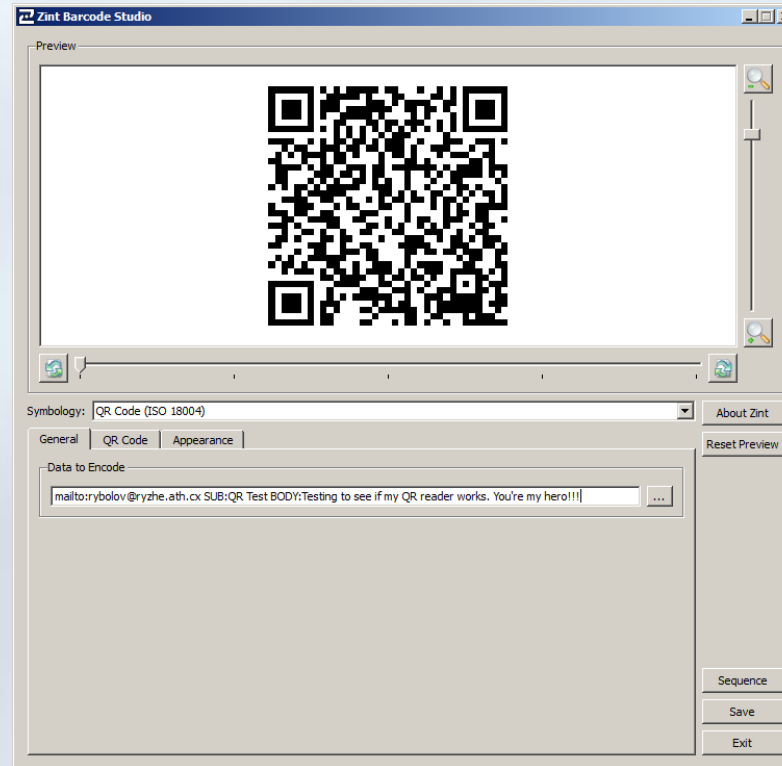
Barcode Uses

- Sales Data Input
- Inventory Management
- Advertising
- Geotagging
- Data to Mobile Devices
- Tickets

Reading Barcodes

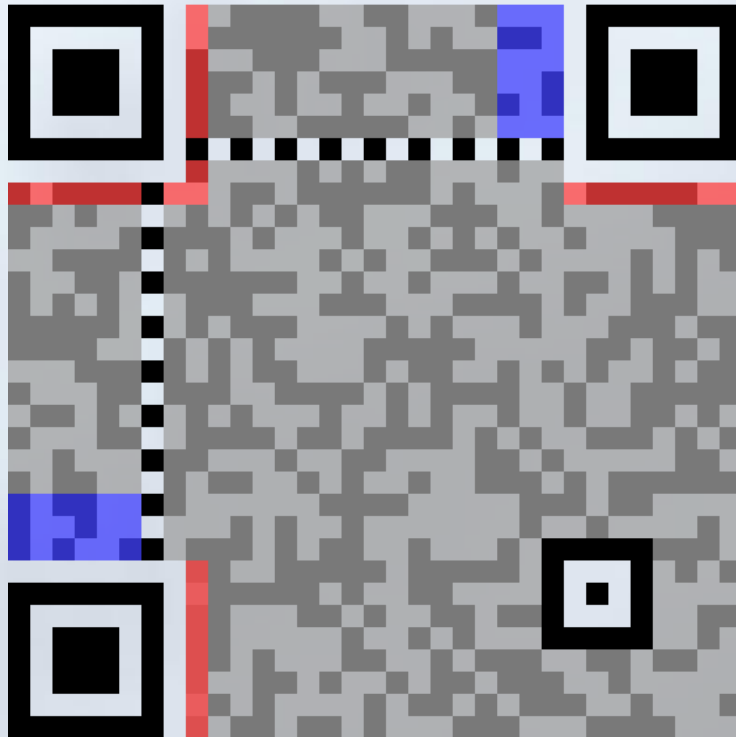
- eBay: \$120 for a handheld unit with “lasers”
- Android Market: Barcode Reader (ZXing)
- iPhone Store: Barcodes (ZXing)
- Blackberry: Beetagg
<http://get.beetagg.com/>
- Other Phones (or if the above ones don't work for you):
<http://www.mobile-barcodes.com/qr-code-software/>





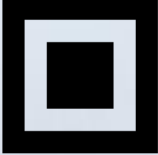


Making Barcodes with Zint



<http://www.zint.org.uk/zintSite/>

QR Format



-  1. Version Information
-  2. Format Information
-  3. Data and Error Correction Keys
-  4. Required Patterns:
 -  4.1. Position
 -  4.2. Alignment
 -  4.3. Timing

Source:Wikimedia

Some Fun With Phones

- MECARD
- TEL:NNNNNNNNNN
- SMS:NNNNNNNNNN BODY:Oh Hai Thar!

Questions, Comments, or War Stories?

<http://www.guerilla-ciso.com/>

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