

## "I Love You" encryption and decryption methods

Invented for the purpose of passing notes through an untrusted individual, the "I Love You" method of encryption is best suited for short messages that need to be fairly secure. It was invented September 20, 2007 in the span of about twenty minutes. There were five additional changes made to the preparation of the code that made it more secure which took less than a half an hour.

It was designed by Christopher T. Huffaker and is dedicated to the 398th B-17 WWII Squadron with much thanks for without them the code would have never fully developed.

The encryption process starts with a key which one uses to read the series of numbers from top to bottom. The letters in the row are replaced with 'zero's' and each number is spaced with a hyphen. Each letter in the message is turned into a sum of five or six numbers. Letters that have five numbers end in 'xx' while letters with six numbers always start with a zero. Each letter ends with a period '.' and words are terminated with '.oo' Letters read from left to right and words read down.

The process of creating an encryption key is rather simple; you write the letters 'a' through 'm' on one line and then write the numbers '1' through '13' under those letters. The next step is to write the numbers '14' through '26' under each of the numbers '1' through '13'. The next step is to write the letters 'n' through 'z' below the last line of numbers. Then the next line is numbered '14' through '26', and the line under that is numbered '1' through '13'.

If the first letter of the message you wish to encrypt started with 'b' you would start the encrypted message with the number '2' and read down the row replacing the letter 'o' with a '0' zero and ending the sixth spot with 'xx' and a period at the end. which would look like this 2-15-0-15-2-xx. if the next letter in your message was the letter o it would look like this: 0-2-15-0-15-2.

figure 1 "I love you" encryption / decryption key. Colors for illustration purposes only.

a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26
1	2	3	4	5	6	7	8	9	10	11	12	13

Figure 2 Sample "I love you" message.

9	-	22	-	0	-	22	-	9	-	xx	.oo
12	-	25	-	0	-	25	-	12	-	xx	.
0	-	2	-	15	-	0	-	15	-	2	.
0	-	9	-	22	-	0	-	22	-	9	.
5	-	18	-	0	-	18	-	5	-	xx	.oo
0	-	12	-	25	-	0	-	25	-	12	.
0	-	2	-	15	-	0	-	15	-	2	.
0	-	8	-	21	-	0	-	21	-	8	,oo

The 'x's and 'o's represent hugs and kisses.

now days your best bet for security is to put the message in a sealed envelope.