

**NAME**

koi8-r – Russian character set encoded in octal, decimal, and hexadecimal

**DESCRIPTION**

RFC 1489 defines an 8-bit character set, KOI8-R. KOI8-R encodes the characters used in Russian.

**KOI8-R characters**

The following table displays the characters in KOI8-R that are printable and unlisted in the **ascii(7)** manual page.

Oct	Dec	Hex	Char	Description
200	128	80		BOX DRAWINGS LIGHT HORIZONTAL
201	129	81		BOX DRAWINGS LIGHT VERTICAL
202	130	82		BOX DRAWINGS LIGHT DOWN AND RIGHT
203	131	83		BOX DRAWINGS LIGHT DOWN AND LEFT
204	132	84		BOX DRAWINGS LIGHT UP AND RIGHT
205	133	85		BOX DRAWINGS LIGHT UP AND LEFT
206	134	86		BOX DRAWINGS LIGHT VERTICAL AND RIGHT
207	135	87		BOX DRAWINGS LIGHT VERTICAL AND LEFT
210	136	88		BOX DRAWINGS LIGHT DOWN AND HORIZONTAL
211	137	89		BOX DRAWINGS LIGHT UP AND HORIZONTAL
212	138	8A		BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL
213	139	8B		UPPER HALF BLOCK
214	140	8C		LOWER HALF BLOCK
215	141	8D		FULL BLOCK
216	142	8E		LEFT HALF BLOCK
217	143	8F		RIGHT HALF BLOCK
220	144	90		LIGHT SHADE
221	145	91		MEDIUM SHADE
222	146	92		DARK SHADE
223	147	93	∫	TOP HALF INTEGRAL
224	148	94		BLACK SQUARE
225	149	95		BULLET OPERATOR
226	150	96	√	SQUARE ROOT
227	151	97	≈	ALMOST EQUAL TO
230	152	98	≤	LESS-THAN OR EQUAL TO
231	153	99	≥	GREATER-THAN OR EQUAL TO
232	154	9A		NO-BREAK SPACE
233	155	9B	∫	BOTTOM HALF INTEGRAL
234	156	9C	°	DEGREE SIGN
235	157	9D	²	SUPERSCRIP T TWO
236	158	9E	·	MIDDLE DOT
237	159	9F	÷	DIVISION SIGN
240	160	A0		BOX DRAWINGS DOUBLE HORIZONTAL
241	161	A1		BOX DRAWINGS DOUBLE VERTICAL
242	162	A2		BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE
243	163	A3		CYRILLIC SMALL LETTER IO
244	164	A4		BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE
245	165	A5		BOX DRAWINGS DOUBLE DOWN AND RIGHT
246	166	A6		BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE
247	167	A7		BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE
250	168	A8		BOX DRAWINGS DOUBLE DOWN AND LEFT
251	169	A9		BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE
252	170	AA		BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE
253	171	AB		BOX DRAWINGS DOUBLE UP AND RIGHT

254	172	AC		BOX DRAWINGS UP SINGLE AND LEFT DOUBLE
255	173	AD		BOX DRAWINGS UP DOUBLE AND LEFT SINGLE
256	174	AE		BOX DRAWINGS DOUBLE UP AND LEFT
257	175	AF		BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE
260	176	B0		BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE
261	177	B1		BOX DRAWINGS DOUBLE VERTICAL AND RIGHT
262	178	B2		BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE
263	179	B3		CYRILLIC CAPITAL LETTER IO
264	180	B4		BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE
265	181	B5		BOX DRAWINGS DOUBLE VERTICAL AND LEFT
266	182	B6		BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE
267	183	B7		BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE
270	184	B8		BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL
271	185	B9		BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE
272	186	BA		BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE
273	187	BB		BOX DRAWINGS DOUBLE UP AND HORIZONTAL
274	188	BC		BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL DOUBLE
275	189	BD		BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL SINGLE
276	190	BE		BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL
277	191	BF	©	COPYRIGHT SIGN
300	192	C0		CYRILLIC SMALL LETTER YU
301	193	C1		CYRILLIC SMALL LETTER A
302	194	C2		CYRILLIC SMALL LETTER BE
303	195	C3		CYRILLIC SMALL LETTER TSE
304	196	C4		CYRILLIC SMALL LETTER DE
305	197	C5		CYRILLIC SMALL LETTER IE
306	198	C6		CYRILLIC SMALL LETTER EF
307	199	C7		CYRILLIC SMALL LETTER GHE
310	200	C8		CYRILLIC SMALL LETTER HA
311	201	C9		CYRILLIC SMALL LETTER I
312	202	CA		CYRILLIC SMALL LETTER SHORT I
313	203	CB		CYRILLIC SMALL LETTER KA
314	204	CC		CYRILLIC SMALL LETTER EL
315	205	CD		CYRILLIC SMALL LETTER EM
316	206	CE		CYRILLIC SMALL LETTER EN
317	207	CF		CYRILLIC SMALL LETTER O
320	208	D0		CYRILLIC SMALL LETTER PE
321	209	D1		CYRILLIC SMALL LETTER YA
322	210	D2		CYRILLIC SMALL LETTER ER
323	211	D3		CYRILLIC SMALL LETTER ES
324	212	D4		CYRILLIC SMALL LETTER TE
325	213	D5		CYRILLIC SMALL LETTER U
326	214	D6		CYRILLIC SMALL LETTER ZHE
327	215	D7		CYRILLIC SMALL LETTER VE
330	216	D8		CYRILLIC SMALL LETTER SOFT SIGN
331	217	D9		CYRILLIC SMALL LETTER YERU
332	218	DA		CYRILLIC SMALL LETTER ZE
333	219	DB		CYRILLIC SMALL LETTER SHA
334	220	DC		CYRILLIC SMALL LETTER E
335	221	DD		CYRILLIC SMALL LETTER SHCHA
336	222	DE		CYRILLIC SMALL LETTER CHE

337	223	DF	CYRILLIC SMALL LETTER HARD SIGN
340	224	E0	CYRILLIC CAPITAL LETTER YU
341	225	E1	CYRILLIC CAPITAL LETTER A
342	226	E2	CYRILLIC CAPITAL LETTER BE
343	227	E3	CYRILLIC CAPITAL LETTER TSE
344	228	E4	CYRILLIC CAPITAL LETTER DE
345	229	E5	CYRILLIC CAPITAL LETTER IE
346	230	E6	CYRILLIC CAPITAL LETTER EF
347	231	E7	CYRILLIC CAPITAL LETTER GHE
350	232	E8	CYRILLIC CAPITAL LETTER HA
351	233	E9	CYRILLIC CAPITAL LETTER I
352	234	EA	CYRILLIC CAPITAL LETTER SHORT I
353	235	EB	CYRILLIC CAPITAL LETTER KA
354	236	EC	CYRILLIC CAPITAL LETTER EL
355	237	ED	CYRILLIC CAPITAL LETTER EM
356	238	EE	CYRILLIC CAPITAL LETTER EN
357	239	EF	CYRILLIC CAPITAL LETTER O
360	240	F0	CYRILLIC CAPITAL LETTER PE
361	241	F1	CYRILLIC CAPITAL LETTER YA
362	242	F2	CYRILLIC CAPITAL LETTER ER
363	243	F3	CYRILLIC CAPITAL LETTER ES
364	244	F4	CYRILLIC CAPITAL LETTER TE
365	245	F5	CYRILLIC CAPITAL LETTER U
366	246	F6	CYRILLIC CAPITAL LETTER ZHE
367	247	F7	CYRILLIC CAPITAL LETTER VE
370	248	F8	CYRILLIC CAPITAL LETTER SOFT SIGN
371	249	F9	CYRILLIC CAPITAL LETTER YERU
372	250	FA	CYRILLIC CAPITAL LETTER ZE
373	251	FB	CYRILLIC CAPITAL LETTER SHA
374	252	FC	CYRILLIC CAPITAL LETTER E
375	253	FD	CYRILLIC CAPITAL LETTER SHCHA
376	254	FE	CYRILLIC CAPITAL LETTER CHE
377	255	FF	CYRILLIC CAPITAL LETTER HARD SIGN

**NOTES**

The differences with KOI8-U are in the hex positions A4, A6, A7, AD, B4, B6, B7, and BD.

**SEE ALSO**

[ascii\(7\)](#), [charsets\(7\)](#), [cp1251\(7\)](#), [iso\\_8859-5\(7\)](#), [koi8-u\(7\)](#), [utf-8\(7\)](#)

**COLOPHON**

This page is part of release 5.05 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.