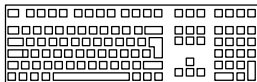


input device

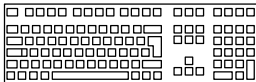




operating system



input device

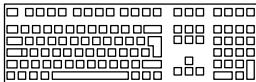




operating system



input device



web browser





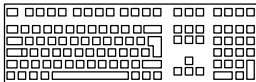
operating system



hard drive



input device



web browser





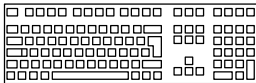
operating system



hard drive



input device



web browser

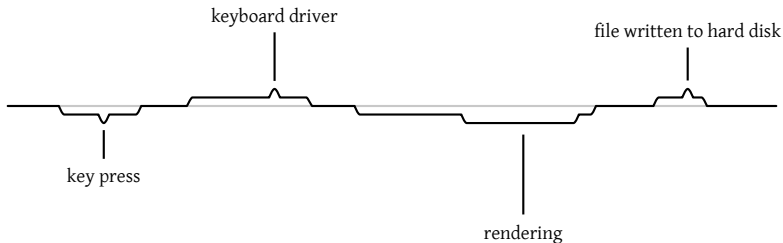




operating system



hard drive



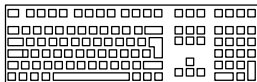
key press

keyboard driver

file written to hard disk

rendering

input device



web browser





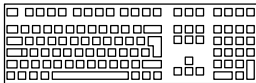
operating system



hard drive



input device



web browser

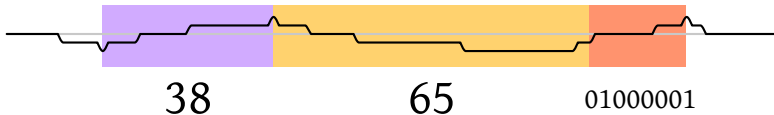




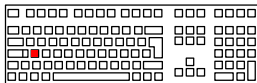
operating system



hard drive



input device



"A"

web browser

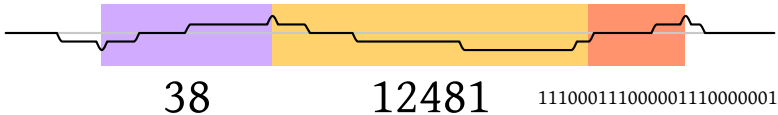




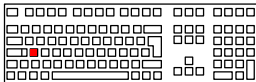
operating system



hard drive



input device



"フ"

web browser





operating system



hard drive

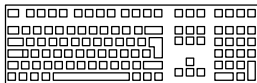
hardware

”encoding“

”charset“



input device



web browser





operating system



hard drive

*

unicode

ASCII, utf-8

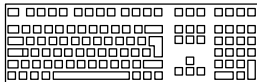
hardware

"encoding"

"charset"



input device



web browser





operating system



hard drive

*

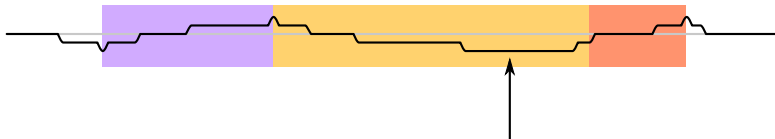
unicode

ASCII, utf-8

hardware

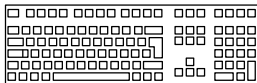
"encoding"

"charset"



`h1 { text-transform: uppercase }`

input device



web browser



Unicode

emojis!

112 804 characters specified.

Distributed among 17 planes in blocks.

One plane can contain up to 65535 characters

- Basic Multilingual Plane (plane 0)
- Supplementary Multilingual Plane (plane 1)
- Supplementary Ideographic Plane (plane 2)

Technical and linguistic issue.

Basic Multilingual Plane

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
10	11	12	13	14	15	16	17	18	19	1A	1B	1C	1D	1E	1F	
20	21	22	23	24	25	26	27	28	29	2A	2B	2C	2D	2E	2F	
30	31	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E	3F	
40	41	42	43	44	45	46	47	48	49	4A	4B	4C	4D	4E	4F	
50	51	52	53	54	55	56	57	58	59	5A	5B	5C	5D	5E	5F	
60	61	62	63	64	65	66	67	68	69	6A	6B	6C	6D	6E	6F	
70	71	72	73	74	75	76	77	78	79	7A	7B	7C	7D	7E	7F	
80	81	82	83	84	85	86	87	88	89	8A	8B	8C	8D	8E	8F	
90	91	92	93	94	95	96	97	98	99	9A	9B	9C	9D	9E	9F	
A0	A1	A2	A3	A4	A5	A6	A7	A8	A9	AA	AB	AC	AD	AE	AF	
B0	B1	B2	B3	B4	B5	B6	B7	B8	B9	BA	BB	BC	BD	BE	BF	
C0	C1	C2	C3	C4	C5	C6	C7	C8	C9	CA	CB	CC	CD	CE	CF	
D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	DA	DB	DC	DD	DE	DF	
E0	E1	E2	E3	E4	E5	E6	E7	E8	E9	EA	EB	EC	ED	EE	EF	
F0	F1	F2	F3	F4	F5	F6	F7	F8	F9	FA	FB	FC	FD	FE	FF	

- Latin scripts and symbols
- Linguistic scripts
- Other European scripts
- African scripts
- Middle Eastern and Southwest Asian scripts
- Central Asian scripts
- South Asian scripts
- Southeast Asian scripts
- East Asian scripts
- Unified CJK Han
- American scripts
- Symbols
- Diacritics
- UTF-16 surrogates and private use
- Miscellaneous characters
- Unallocated code points

Writing systems (lecture)

—	04. Nov 2014		Vinča symbols
U+12000–U+123FF	11. Nov 2014	Unicode 5.0	Cuneiform [Keilschrift]
—	18. Nov 2014		Hieroglyphs of Ankhī people, Dongba and geba
U+13000–U+1342F	18. Nov 2014	Unicode 5.2	Egyptian Hieroglyphs
—	18. Nov 2014		Anatolian Hieroglyphs
U+0900–U+097F	25. Nov 2014	Unicode 1.0	Devaganari
U+A8E0–U+A8FF	25. Nov 2014	Unicode 1.0	Devaganari Extended
U+1CD0–U+1CFF	25. Nov 2014	Unicode 5.2	Vedic Extensions
U+10A00–U+10A5F	25. Nov 2014	Unicode 4.1	Supplementary Multilingual Plane, Kharoṣṭhī
U+11000–U+1107F	25. Nov 2014	Unicode 6.0	Supplementary Multilingual Plane, Brāhmī
U+3040–U+309F	02. Dec 2014	Unicode 1.0	Hiragana
U+30A0–U+30FF	02. Dec 2014	Unicode 1.0	Katakana
U+4E00–U+9FCF	02. Dec 2014	Unicode 1.0	CJK Unified Ideographs [Kanji, Han Unified]
U+3400–U+4DBF	02. Dec 2014	Unicode 3.0	CJK Unified Ideographs Extension A
U+20000–U+2A6DF	02. Dec 2014	Unicode 3.1	CJK Unified Ideographs Extension B
U+2A700–U+2B73F	02. Dec 2014	Unicode 5.2	CJK Unified Ideographs Extension C
U+2B740–U+2B81F	02. Dec 2014	Unicode 6.0	CJK Unified Ideographs Extension D

See <http://www.unicode.org/charts/>

Writing systems (lecture)

U+10600–U+1077F	09. Dec 2014	Unicode 7.0	Linear A
U+10000–U+1007F	09. Dec 2014	Unicode 4.0	Linear B Syllabary
U+10080–U+100FF	09. Dec 2014	Unicode 4.0	Linear B Ideograms
U+10100–U+1013F	09. Dec 2014	Unicode 4.0	Aegean Numbers
U+0370–U+03FF	16. Dec 2014	Unicode 1.0	Greek and Coptic
U+1F00–U+1FFF	16. Dec 2014	Unicode 1.1	Greek Extended
U+2C80–U+2CFF	16. Dec 2014	Unicode 4.1	Coptic
U+10900–U+1091F	16. Dec 2014	Unicode 5.0	Phoenician
—	13. Jan 2015		Etruscan writing system
U+0000–U+007F	13. Jan 2015	Unicode 1.0	Basic Latin
U+16A0–U+16F8	20. Jan 2015	Unicode 3.0	Runic
U+10330–U+1034A	20. Jan 2015	Unicode 3.1	Gothic
—	27. Jan 2015		Early Cyrillic alphabet
U+0400–U+04FF	27. Jan 2015	Unicode 1.0	Cyrillic

See <http://www.unicode.org/charts/>

Runes in ISO 10646/Unicode?!

<https://groups.google.com/forum/#!topic/swnet.svenska/Sh8NUXegzKY>, 12.01.1995

- > Are you interested in runes and their possible inclusion into
- > ISO 10646 and Unicode? (I'm talking about the _real_ runes, the
- > early alphabet used by Germanic peoples from about 100 A.D. and
- > displayed on numerous Viking-Age runic stones, not the "runes"
- > of the Plan9 operating system.)
- > I have sent the 27 page draft proposal for a runic extension
- > of 10646, prepared by the ISORUNES project, to the
- > <iso1...@JHUVH.HCF.JHU.EDU> mailing list for public discussion.

Thank you for this information!

There is a project at the Univ. of Bergen, Norway, where, among others things, we want to make an inventory of the runic forms (or glyphs) that have been used. This classification is to be based purely on the graphic form, i.e. it comes before any discussion of graphemes. Those who are interested can have a look at:

<<http://gonzo.hd.uib.no/NCCH-docs/Runes.html>>

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