

Arabic Characters: Languages of SE Asia

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March 2014

Arabic Script in the Region

- Jawi is the (set of) Arabic alphabet for writing Malay, Acehnese, Banjarese, Minangkabau and several other languages (un-named) in South East Asia (Wikipedia)
- Tausūg used a version (subset) of the Malaysian Jawi script (Omniglot)
- Western Cham used the Arabic script (Omniglot); Both Eastern Cham and Western Cham used the Arabic script (Ethnologue)

Cross-Border Languages

- Malay - Austronesian language spoken in Malaysia, Indonesia, Singapore, Brunei and Thailand. Speakers: About 18 million + 170 million people who speak Indonesian, which is a form of Malay
- Minangkabau – Malayic language with about 8.5 million speakers in West and North Sumatra, Riau, Jambi, Bengkulu and Aceh in Indonesia, and in Negeri Sembilan in Malaysia.
- Acehnese – Chamic branch of Malayo-Polynesian languages. Spoken in Aceh and Sumatra (Indonesia) by about 3.5 million people. Closely related to other Chamic language such as Jarai and Cham, and also to Minangkabau, Gayo and Batak
- Banjarese – Austronesian language native to Indonesia and Malaysia spoken by 3.5 million speakers in South Kalimantan, Indonesia.
- Tausug – About 1 million speakers in parts of the Philippines, Malaysia and Indonesia, particularly on the Sulu Archipelago, the Zamboanga Peninsula, Southern Palawan (Philippines), in Sabah (Malaysia) and Kalimantan (Indonesia).
- Cham - Austronesian language spoken by about 230,000 people in Cambodia and Vietnam. Two main varieties of Cham - Western Cham, spoken in Cambodia, and Eastern Cham, spoken in Vietnam.

Arabic Alphabet for Malay/Jawi

(Omniglot)

أ	ب	ت	ث	ج	ح	خ	د	ذ	ر	ز	ألف	
زاء	راء	ذال	DAL	خاء	حاء	خاء	دال	ذال	راء	زاء	باء	
zal	ra	zal	dal	kha	ha	ca	jim	tha	ta	ba	alif	
z	r	z	d	kh	h	c	j	s	t	b	a/e	
[z/ðʒ]	[r]	[dz]	[d]	[x/k]	[h]	[tʃ]	[ɸ]	[s]	[t]	[b]	[Ø]	
س	ش	ص	ض	ط	ظ	ع	غ	ف	ق	ڭ	سين	
قاف	فاء	فاء	غااء	غاء	عين	عين	ظاء	ظاء	ضاد	ضاد	صاد	
qaf	pa	fa	nga	ghain	ain	za	ta	dad	sad	syin	sin	
k/q	p	f	ng	gh	z	t	d	s	sy	s		
[k]	[p]	[f/p]	[ŋ]	[ɣ/r]	[Ø]	[z]	[t]	[z/ðʒ]	[s]	[ʃ/s]	[s]	
ك	ڭ	م	ن	و	ف	ه	ل	ي	ء	ڭ	كاف	
پاء	ياء	ياء	همزة	لام ألف	هاء	فاء	نون	واو	ميم	لام	ڭاء	
nya	ya	hamzah		lam-alif	ha	va	wau	nun	mim	lam	gaf	
ny	y			la	h	v	w	n	m	l	k	
[n]	[j]			[la]	[h]	[v]	[w]	[n]	[m]	[l]	[g]	[k]

Arabic Numbers for Malay/Jawi

(Omniglot)

•	۱	۲	۳	۴	۵	۶	۷	۸	۹	۱۰
kosong	satu	dua	tiga	empat	lima	enam	tujuh	lapan	sembilan	sepuluh
0	1	2	3	4	5	6	7	8	9	10

Arabic Alphabet for Tausug

(Omniglot)

غ	س	ر	د	ج	ت	ب	ا
gayn	sīn	rā'	dāl	jīm	tā'	bā'	alip
[ɣ]	[s]	[r]	[d]	[dʒ]	[t]	[b/β]	[a/a:]
و	ن	م	ل	گ	ک	ف	ڻ
wāw	nūn	mīm	lām	gāp	kāp	pā'	ngā'
[w]	[n]	[m]	[l]	[g/y]	[k]	[p]	[ɳ]
لا	ئ	ؤ	أ	ء	ي	ه	
lām alip	i?	u?	a?	hamja	yā'	hā'	
[la:]	[i?]	[u?]	[a?]	[?]	[j]	[h]	

Jawi Cham - Majid Transliteration

(<http://naipaleikaohkabuak.blogspot.hk/2010/11/majid-transliteration-jawi-cham.html>)

Akhbar Cham Eastern Script (Vietnam) Western Script (Cambodia)	Rumi Cham (EFEO)	Haruf Cham / Jawi Cham (Majid Transliteration)
ក	K	ک
ខ	Kh	کھ
ງ	G	گ
ঞ	Gh	ঞ
ঞাং	Ngâ	ঞাং
ঞং	Ng	ঞং
ঞ	C	ঞ
ঞ	Ch	ঞ
ঞ	J	ঞ
ঞ	Jh	ঞ
ঞাং	Nyâ	ঞাং
ঞ	Ny	ঞ
ঞ	Nj	ঞ

ت	T	ت
ث	Th	ت
د	D	د
ধ	Dh	ধ
নাং	Nâ	نَا
ন	N	ن
ন্দ	Nd	نْد
প	P	ف
ঞ	Ph	ف
ব	B	ب
ঞ	Bh	بْ
মাং	Mâ	مَا
ম	M	م

Jawi Cham - Majid Transliteration

(<http://naipaleikaohkabuak.blogspot.hk/2010/11/majid-transliteration-jawi-cham.html>)

ڻ ڻ	Mb	ڦ	ڻ ڻ	_h	ه
ڻ ڻ	Y	ي	ڻ ڻ	a	ا
ڻ ڻ	R	ر	ڻ ڻ	e	إ
ڻ ڻ	L	ل	ڻ ڻ	i	يء
ڻ ڻ	W	و	ڻ ڻ	ei	أي
ڻ ڻ	S	س	ڻ ڻ	_i	ي
ڻ ڻ	H	ح	ڻ ڻ	im	يم
ڻ ڻ	A	ا	ڻ ڻ	_m	م
ڻ ڻ	I	اً	ڻ ڻ	u	و
ڻ ڻ	Ai	عاي	ڻ ڻ	é	ي
ڻ ڻ	U	او	ڻ ڻ	o	و
ڻ ڻ	O	اڻ	ڻ ڻ	ao	اڻ
ڻ ڻ	É	اٽ	ڻ ڻ	au	او
		ا	ڻ ڻ	ia	يا

Jawi Cham - Majid Transliteration

(<http://naipaleikaohkabuak.blogspot.hk/2010/11/majid-transliteration-jawi-cham.html>)

ڽ ڽ	r	ڽ
ڽ ڽ	kl	ل
ڽ ڽ	ua	وا
ڽ ڽ	â	اً
ڽ ڽ	-ng	خ
ڽ ڽ	em	ام
ڽ ڽ	eng	اع

Malaysian Standards: Jawi Coded Character Set 2012

(324207_MS_2443_2012)

Developed by the Technical Committee on Multilingual Information Technology under the authority of the Industry Standards Committee on IT, Communications and Multimedia

Table 8: A representative glyph of each Jawi coded character set

Name in Malay	Character info	Standalone shape	Initial shape	Middle shape	Final shape
alif	Arabic letter alef	ا	ا	ا	ا
ba	Arabic letter beh	ب	ب	ب	ب
ta	Arabic letter teh	ت	ت	ت	ت
ta marbutah	Arabic letter teh marbuta	ة	ة	ة	ة
sa [tha]	Arabic letter theh	ث	ث	ث	ث
jim	Arabic letter jeem	ج	ج	ج	ج
ca	Arabic letter tcheh	چ	چ	چ	چ
ha [ha]	Arabic letter hah	ح	ح	ح	ح
kha [kho]	Arabic letter khah	خ	خ	خ	خ
dal	Arabic letter dal	د	د	د	د
zal [dhal]	Arabic letter thal	ذ	ذ	ذ	ذ
ra [ro]	Arabic letter reh	ر	ر	ر	ر
zai	Arabic letter zain	ز	ز	ز	ز
sin	Arabic letter seen	س	س	س	س
syin	Arabic letter sheen	ش	ش	ش	ش
sad [sod]	Arabic letter sad	ص	ص	ص	ص
dad [dod]	Arabic letter dad	ض	ض	ض	ض
ta [to]	Arabic letter tah	ط	ط	ط	ط
za [zo]	Arabic letter zah	ظ	ظ	ظ	ظ
ain [sain]	Arabic letter ain	ع	ع	ع	ع
ghain	Arabic letter ghain	غ	غ	غ	غ
nga	Arabic letter ain with three dots above	ڠ	ڠ	ڠ	ڠ
fa	Arabic letter feh	ف	ف	ف	ف

Table 8: A representative glyph of each Jawi coded character set (continued)

Name in Malay	Character info	Standalone shape	Initial shape	Middle shape	Final shape
pa	Arabic letter <i>veh</i>	ف	ف	ف	ف
qaf	Arabic letter <i>qaf</i>	ق	ق	ق	ق
kaf	Arabic letter <i>keheh</i>	ك	ك	ك	ك
ga	Arabic letter <i>keheh</i> with dot above	گ	خ	خ	خ
lam	Arabic letter <i>lam</i>	ل	ل	ل	ل
mim	Arabic letter <i>meem</i>	م	م	م	م
nun	Arabic letter <i>noon</i>	ن	ن	ن	ن
wau	Arabic letter <i>waw</i>	و	و	و	و
va	Arabic letter <i>waw</i> with dot above	ف	ف	ف	ف
ha	Arabic letter <i>heh</i>	ه	ه	ه	ه
hamzah	Arabic letter <i>hamza</i>	ء	ء	ء	ء
ya	Arabic letter <i>yeh</i>	ي	ي	ي	ي
ye	Arabic letter <i>alef maksura</i>	ى			
nya	Arabic letter <i>noon</i> with three dots above	ڻ	ڻ	ڻ	ڻ
da	Arabic letter <i>dul</i>	ڏ	ڏ	ڏ	ڏ
gha	Arabic letter <i>ng</i>	ڦ	ڦ	ڦ	ڦ
gaf	Arabic letter <i>kaf</i> with dot above	ڦ	ڦ	ڦ	ڦ
yah	Arabic letter with <i>yeh</i> with three dots below	ڻ	ڻ	ڻ	ڻ

Aggregated Malay-Jawi Tables

Jawi Characters (Dewan Bahasa dan Pustaka – Daftar Kata Bahasa Melayu-Rumi-Sebutan Jawi-Jilid 1 – Pg 71-72) cited in Mynic Report for Malaysia's IDN: Jawi Language Issues Version 1.0 (0312009)	Malaysian Standard on IT- Jawi Coded Character Set for Information Interchange (2012)	Malay Language Table Submitted by .MY Domain Registry (IANA Repository) 09 July 2009	Aggregated Characters of Interest Based on Malaysian Standards (2012) and Malay IDN Language Table (2009)
<p>From Unicode: U+....</p> <p>(1) 0627 (2) 0628 (3) 062A (4) 0629 (5) 062B (6) 062C (7) 0688 (8) 062D (9) 062E (10) 062F (11) 0630 (12) 0631 (13) 0632 (14) 0633 (15) 0634 (16) 0635 (17) 0636 (18) 0637 (19) 0638 (20) 0639 (21) 063A (22) 06A0 (23) 0641 (24) 06A4 (25) 0642 (26) 06A9 (27) 0762 (28) 0644 (29) 0645 (30) 0646 (31) 0648</p>	<p>MS ISO/IEC 10646 Code Point</p> <p>1) U+0627 2) U+0628 3) U+062A 4) U+0629 5) U+062B 6) U+062C 7) U+0688 8) U+062D 9) U+062E 10) U+062F 11) U+0630 12) U+0631 13) U+0632 14) U+0633 15) U+0634 16) U+0635 17) U+0636 18) U+0637 19) U+0638 20) U+0639 21) U+063A 22) U+06A0 23) U+0641 24) U+06A4 25) U+0642 26) U+06A9 27) U+0762 28) U+0644 29) U+0645 30) U+0646 31) U+0648</p>	<p>#Characters from Unicode Arabic Table (0600–06FF)</p> <p>1) U+0621 Arabic Letter HAMZA 2) U+0623 Arabic Letter ALEF with HAMZA above 3) U+0625 Arabic Letter ALEF with HAMZA below 4) U+0626 Arabic Letter YEH with HAMZA above 5) U+0627 Arabic Letter ALEF 6) U+0628 Arabic Letter BEH 7) U+0629 Arabic Letter TEH MARBUTA 8) U+062A Arabic Letter TEH 9) U+062B Arabic Letter THEH 10) U+062C Arabic Letter JEEM 11) U+062D Arabic Letter HAH 12) U+062E Arabic Letter KHAH 13) U+062F Arabic Letter DAL 14) U+0630 Arabic Letter THAL 15) U+0631 Arabic Letter REH 16) U+0632 Arabic Letter ZAIN 17) U+0633 Arabic Letter SEEN 18) U+0634 Arabic Letter SHEEN 19) U+0635 Arabic Letter SAD 20) U+0636 Arabic Letter DAD 21) U+0637 Arabic Letter TAH 22) U+0638 Arabic Letter ZAH 23) U+0639 Arabic Letter AIN 24) U+063A Arabic Letter GHAIN 25) U+0641 Arabic Letter FEH 26) U+0642 Arabic Letter QAF 27) U+06A9 Arabic Letter KEHEH 28) U+0644 Arabic Letter LAM</p>	<p>From Unicode: U+....</p> <p>(1) 200C ZERO WIDTH NON-JOINER (2) 0621 HAMZA (3) 0623 ALEF W/ HAMZA Above (4) 0625 ALEF W/ HAMZA Below (5) 0626 YEH W/ HAMZA above (6) 0627 ALEF (7) 0628 BEH (8) 0629 TEH MARBUTA (9) 062A TEH (10) 062B THEH (11) 062C JEEM (12) 062D HAH (13) 062E KHAH (14) 062F DAL (15) 0630 THAL (16) 0631 REH (17) 0632 ZAIN (18) 0633 SEEN (19) 0634 SHEEN (20) 0635 SAD (21) 0636 DAD (22) 0637 TAH (23) 0638 ZAH (24) 0639 AIN (25) 063A GHAIN (26) 0641 FEH (27) 0642 QAF (28) 06A9 KEHEH (29) 0644 LAM (30) 0645 MEEM (31) 0646 NOON</p>

Jawi Characters (Dewan Bahasa dan Pustaka – Daftar Kata Bahasa Melayu-Rumi-Sebutan Jawi-Jilid 1 – Pg 71-72) cited in Mynic Report for Malaysia's IDN: Jawi Language Issues Version 1.0 (0312009)	Malaysian Standard on IT- Jawi Coded Character Set for Information Interchange (2012)	Malay Language Table Submitted by .MY Domain Registry (IANA Repository) 09 July 2009	Aggregated Characters of Interest Based on Malaysian Standards (2012) and Malay IDN Language Table (2009)
(32) 06CF (33) 0647 (34) 0621 (35) 064A (36) 0649 (37) 06BD	32) U+06CF 33) U+0647 34) U+0621 35) U+064A 36) U+0649 37) U+06BD 38) U+068E Arabic Letter DUL 39) U+06AD Arabic letter NG 40) U+06AC Arabic letter KAF with dot above 41) U+06D1 Arabic letter YEH with three dots below 42) U+200C Zero Width Non-Joiner 43) U+06F2 Extended Arabic Indic digit 2 44) currently unencoded in MS ISO/IEC 10646 or MS ISO/IEC 8859-6) ARABIC HAMZAH THREE-QUARTER	29) U+0645 Arabic Letter MEEM 30) U+0646 Arabic Letter NOON 31) U+0647 Arabic Letter HEH 32) U+0648 Arabic Letter WAW 33) U+0649 Arabic Letter ALEF MAKSURA 34) U+064A Arabic Letter YEH 35) U+0686 Arabic Letter TCHEH 36) U+06A0 Arabic Letter AIN WITH THREE DOTS ABOVE 37) U+06A4 Arabic Letter VEH 38) U+0762 Arabic Letter KEHEH WITH DOT ABOVE 39) U+06BD Arabic Letter NOON WITH THREE DOTS ABOVE 40) U+06CF Arabic Letter WAW WITH DOT ABOVE 41) U+06F2 Arabic – Extended Arabic -Digit Two # Characters from Unicode Basic Latin Table (0000–007F): 42) U+002D Hyphen-Minus 43) U+0030 Digit Zero 44) U+0031 Digit One 45) U+0032 Digit Two 46) U+0033 Digit Three 47) U+0034 Digit Four 48) U+0035 Digit Five 49) U+0036 Digit Six 50) U+0037 Digit Seven 51) U+0038 Digit Eight 52) U+0039 Digit Nine	(32) 0647 HEH (33) 0648 WAW (34) 0649 ALEF MAKSURA (35) 064A YEH (36) 0686 TCHEH (37) 068E DUL (38) 06A0 AIN WITH THREE DOTS ABOVE (39) 06A4 VEH (40) 06AC KAF W/ DOT ABOVE (41) 06AD NG (42) 06BD NOON WITH THREE DOTS ABOVE (43) 06CF WAW WITH DOT ABOVE (44) 06D1 YEH W/ THREE DOTS BELOW (45) 06F2 ARABIC-EXTENDED ARABIC - DIGIT TWO (46) 0762 (47) (currently unencoded) ARABIC HAMZAH THREE-QUARTER (48) * 0644+0627 LIGATURE LAM W/ ALEF ISOLATED FORM * Included in Mynic Report for Malaysia's IDN: Jawi Language Issues Version 1.0 (0312009) as part of Jawi Characters agreed by consulted linguists.

Unicode table for Arabic characters.

Unicode extended Arabic letters

	075	076	077
0	݂	݄	݆
1	݃	݅	݇
2	݄	݈	݉
3	݄	݈	݊
4	݄	݈	݊
5	݂	݌	݉
6	݁	݌	݉
7	݁	݂	݊
8	݁	݆	݊
9	݁	݁	݊
A	݂	݁	݂
B	݁	݁	݂
C	݁	݁	݁
D	݁	݁	݁
E	݁	݁	݁
F	݁	݁	݁



32 Base Characters



3 Characters Used With Condition



6 Additional Characters



4 Characters Added by MS (2012)



+ Zero Width Non-Joiner

+ Three Quarter Hamzah (Uncoded)

TOTAL of 47 characters of interest in Jawi based on Malaysian Standards 2012 and Malay IDN Table 2009

References

- MYNIC Report for Malaysia's Internationalized Domain Name: Jawi Language Issues, Version 1.0 (0312009)
- Malaysian Standard MS 2443:2012, Information Technology – Jawi Coded Character Set For Information Exchange (2012)
- Malaysian Network Information Center (MYNIC)/.MY Domain Registry, Jawi Language Table Submitted to IANA, 09 July 2009
- Omniglot, Wikipedia, Ethnologue pages on relevant South East Asian languages