Enhancing Mobile Learning by Linking Japanese Dictionary Apps

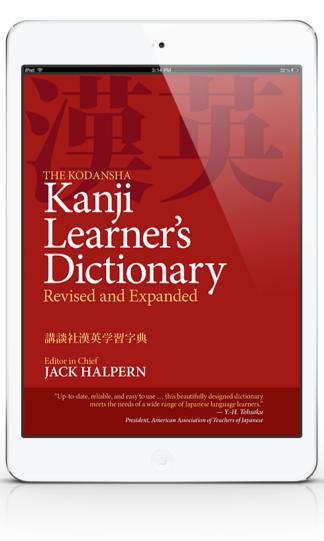
by Jack Halpern CEO, The CJK Dictionary Institute, Inc.

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Overview

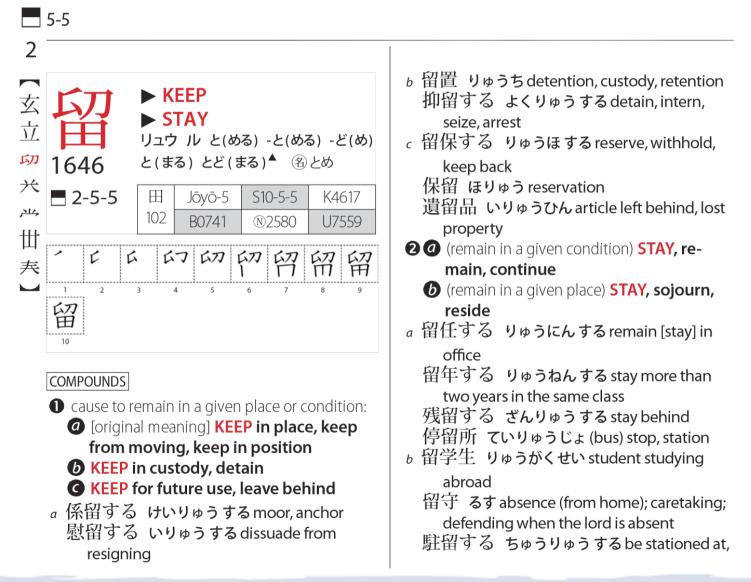
- The Kodansha Kanji Learner's Dictionary
- The Kodansha Kanji Usage Guide
- The Kodansha Kanji Synonyms Guide
- Libera: Parallel Text Reader

The Kodansha Kanji Learner's Dictionary for iOS and Android



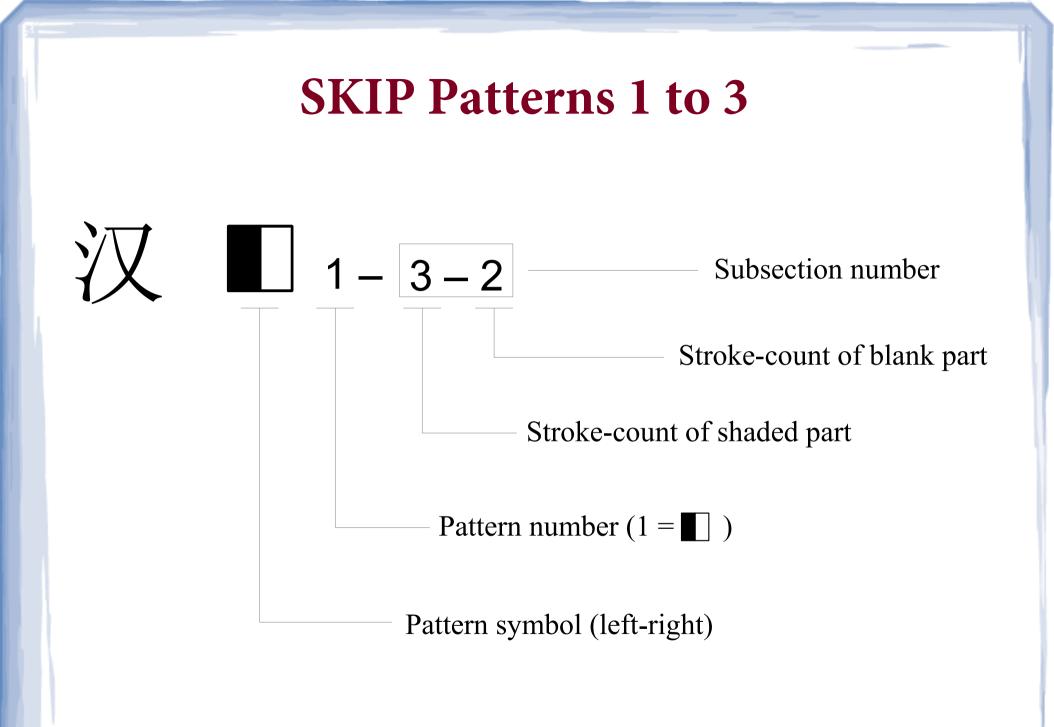
- Based on The Kodansha Kanji Learner's Dictionary published by Kodansha in 1999 and 2013 (Revised)
- 3,002 main entry characters
- 31,300 words and word elements
- multiple search modes such as kana and English meaning
- intuitive interface for quickly looking up by SKIP or radicals
- toggle between kana/romaji
- animated stroke-order diagrams

The Kodansha Kanji Learner's Dictionary

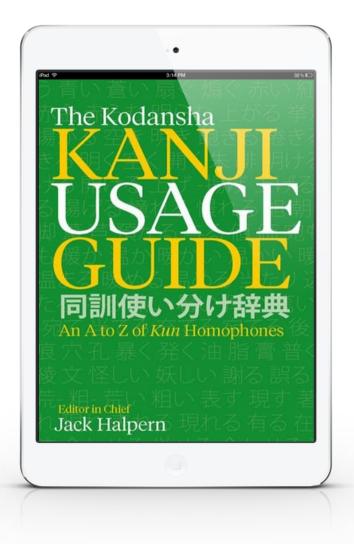


The SKIP Indexing Scheme

No.	Pattern	Examples							
1	LEFT-RIGHT	相 4-5	代 2-3	情 3-8	街 3-9	<mark>田</mark> 丁 5-2	部 12-6	<mark>髄</mark> 10-9	百 2-5
2	UP-DOWN	1 1-4 子 3-3	<u>1</u> -1 <u>た</u> 3-5	<u> </u>	11-6	系 1-6 <u>発</u> 2-6	雀 4-7 当 3-3	券 6-2 南 2-7	春 5-4 文 2-2
3		<u>進</u> 3-8 旬 2-4	<u>计</u> 4-2 載 6-7	刀 1-1 尾 3-4	可 1-4 病 5-5	石 2-3 内 4-2	考 4-2 义 2-2	<u>矢</u> 2-5 J 3-3	子子 3-4 王 3-5
4	SOLID	⊤ 3-1 □ 4-3	<u>−</u> <u>−</u> <u>−</u> <u>−</u> <u>−</u>	雨 8-1 手 4-3	子 3-1 本 5-3	<u>5-2</u> <u>−</u> <u>5-2</u>	自 6-2 自 6-2	坐 7-2 坐 7-2	重 9-2 重 9-2

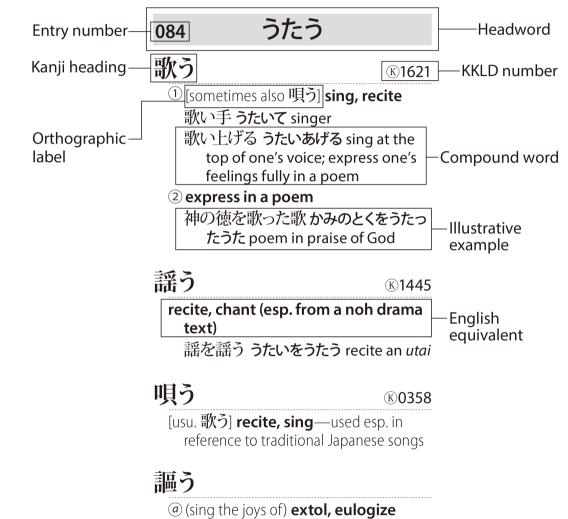


The Kodansha Kanji Usage Guide



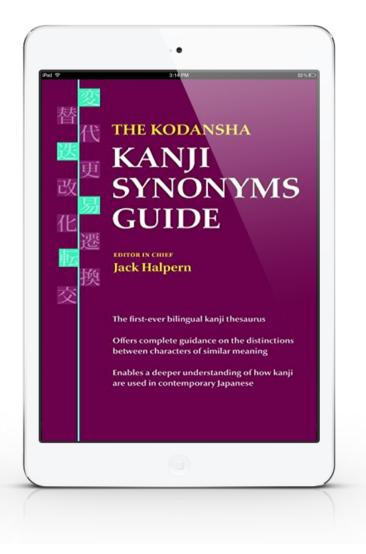
- Over 675 usage articles bring together etymologically kun homophones
- Thousands of compound words and examples
- Ability to jump from entry to corresponding entry in The Kodansha Kanji Learner's Dictionary and Synonyms app
- Covers the Jōyō Kanji, Jinmei Kanji and common non-Jōyō Kanji character sets

The Kodansha Kanji Usage Guide



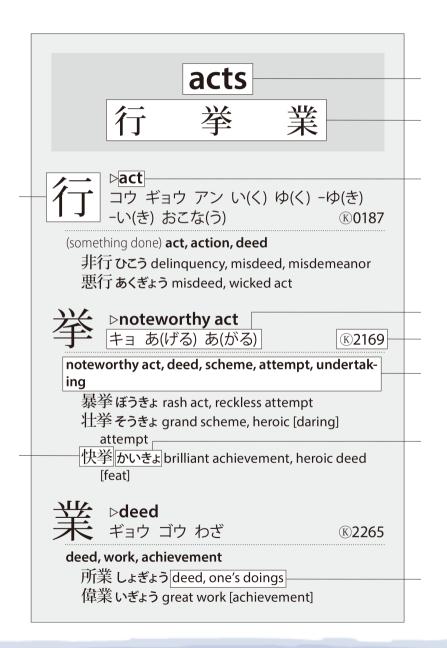
b declare, state, express 謳われる うたわれる be famous for
 謳い文句 うたいもんく catchphrase,
 promotional line

The Kodansha Kanji Synonyms Guide



- 1,245 synonym groups, arranged alphabetically by shared concept
- Covers 5,630 synonym members from the Jōyō, Jinmei, and non-Jōyō Kanji characters sets
- Nearly 21,000 compounds illustrate the function of kanji as word elements
- Ability to search using on-kun readings of characters and/or compounds, and core meanings

The Kodansha Kanji Synonyms Guide



Learner's Interactive Bitext Electronic Reading Application



Voluntary Reading and Comprehensible Input

According to renowned linguist Stephen Krashen:

- Free voluntary reading is "the most powerful tool"
- Learners rapidly absorb grammar and vocabulary
- Reading should be interesting and enjoyable

The Benefits of Parallel Texts

- Frees learners from tedious dictionary lookups
- Facilitates rapid vocabulary acquisition
- Presents new vocabulary in authentic contexts
- Exposes learners repeatedly to frequently used words
- Enables learning through the pleasure reading

Interactive Parallel Text (IPT)

- Allows learners to effortlessly read vast amounts of L2 texts
- New medium for accessing comprehensible L2 texts
- Cutting edge platform for reading enjoyably
- Texts precisely linked on segment (word or phrase) level
- Interactive links highlight L2 segment and activates glosses, grammar notes, audio, and transcriptions
- Context-sensitive dictionary intelligently displays word meanings relevant to the specific context

Main Features of Libera

- Context-sensitive dictionaries
- Segment bar
- Word Info screen
- Favorite word list
- Full-form search
- Grammar Notes
- Full audio recordings
- Multi-panel interface

Four-Panel Sentence Mode

- Texts are precisely linked at segment (word or phrase) level.
- Tapping a segment in any one text simultaneously highlights the linked segment in all other texts.

	■ Chapter 1 Sentence 3▼				
Japane	カシムは金持ちの商人でし se なぜなら彼は金持ちの商 人の娘と結婚し、彼と <mark>商売を</mark> していたからです。	Qasim was a rich merchant because he had married the daughter of a rich merchan and he worked with him in trade.			
Customized Dictionary	商売をする しょうばいをする phrase do business, engage in business, deal trade W Word info	Kashimu wa kanemochi no shōnin deshita. Nazenara kar wa kanemochi no shōnin r musume to kekkon shi, kare shōbai o shite ita kara desu.			
	商売をしていた しょうばいをしていた be workedin trade Segment Bar				
		Segment Dai			

Customizable Multi-Panel Interface

- Sentence-level analysis with up to four versions of text
- User free to choose contents for each panel
- Four-panel mode ideal for in-depth study



Full Audio Functionality

- Clear native recordings with multiple voice options
- Recordings of both sentences and individual segments
- Adjustable audio speed

Q Tap here to search	■ Chapter 1 Sentence 3▼	DEMO VERSION
Study	Settings	Close
Single text mode	Audio	―――に二人の兄弟が
Bitext mode	Speech	
Sentence mode	Slow	Fast 人はアリババと
7 Listen mode	Quiet	Loud
Browser	Background music	
W Word Info	Music	○」。なぜなら彼は
G Grammar Notes	Quiet	。なぜなら彼は ^{Loud} からです。
Others	Others	N-9 (9 °
Hints	Segment bar	
Contact	Links to Grammar Notes	○で幸福でしたが
Settings		
🛍 Library		女と結婚した為
	商売をしていた	しょうばい を して いた

Word Info Screen

For in-depth vocabulary study, a separate screen displays each dictionary with example sentences for each word.

Ξ	Chapter 1 Sentence 3		á•				
昔	Words Favorites	Word info Close					
	All words						
	₩ 同じように	結婚する けっこんする verb					
,	₩ 女	marry, get married, wed					
	₩ カシム						
カ	₩ 金持ち	▶ カシムは金持ちの商人でした。なぜなら彼は金持ちの	. 2				
	₩ 金持ちの	商人の娘と <mark>結婚し、彼と商売をしていたからです。</mark>					
結	₩ から .	カシム は かねもち の しょうにん でした。 なぜなら かれ は かねも					
	· ₩ 彼	ち の しょうにん の むすめ と <mark>けっこん し</mark> 、 かれ と しょうばい を					
彼	\/\ カ ^ヾ	して いた から です。 Qasim was a rich merchant because he had married the daughter of	•				
٤	₩ 兄弟	a rich merchant, and he worked with him in trade.	貧				
	₩ 国	▶ 彼は金持ちになり、その運命で幸福でしたが、アリバ	只				
乏	₩ 結婚する	バは自分とちょうど同じように貧乏な女と <mark>結婚した</mark> 為に、					
	₩ 幸福な	ずっととても貧乏なままでした。					
	₩ 古代	かれ は かねもち に なり、 その うんめい で こうふく でした が、 アリババ は じぶん と ちょうど おなじ よう に びんぼう な おんな					
E	商売をしていた	しょうばい を して いた he workedin trade					



Jack Halpern

The CJK Dictionary Institute www.cjk.org www.kanji.org jack@cjki.org