

# Foreign Script Support

## Demo on fonts fallback support

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### Abstract

TeXSmith can render documents in multiple languages and scripts, including those with complex typesetting requirements. Below are examples of various languages and scripts supported by TeXSmith, showcasing its versatility in handling diverse linguistic content.

### Japanese (日本語)

Japanese is the national language of Japan and is spoken by over 125 million people, primarily within the country.

月日は百代の過客にして、行きかふ年も旅人なり。  
舟に乗り、馬に乗りて、初秋の風に吹かれつつ、  
道のべの小草を分け、山川を越えて。

### Korean (한국어)

Korean is spoken by about 80 million people worldwide and is the official language of both South Korea and North Korea.

이 몸이 죽고 죽어 일백 번 고쳐 죽어  
백골이 진토되어 뉘이라도 있고 없고  
임 향한 일편단심이야 가실 줄이 있으랴

### Syriac (ܐܪܡܝܐ)

Syriac is an ancient Aramaic language historically used in the Middle East, especially in

Christian liturgical and literary traditions.

ܐܡܬܐ ܕܡܪܝܢ ܕܡܕܢܚܐ, ܐܡܬܐ ܕܡܕܢܚܐ ܕܡܪܝܢ.  
ܐܡܬܐ ܕܡܪܝܢ, ܐܡܬܐ ܕܡܪܝܢ.  
ܐܡܬܐ ܕܡܪܝܢ, ܐܡܬܐ ܕܡܪܝܢ. ܐܡܬܐ  
ܕܡܪܝܢ ܕܡܪܝܢ ܕܡܪܝܢ, ܐܡܬܐ ܕܡܪܝܢ.

### Greek (ελληνικά)

Greek is the official language of Greece and Cyprus and is spoken by roughly 13 million people, with a literary tradition dating back more than three millennia.

Ἄντρα, Μούσα, πες μου τον πολυμήχανο, που πάρα  
πολλά ταλαιπωρήθηκε, αφού κατέστρεψε την ιερή  
πολιτεία της Τροίας ·

και είδε τις πόλεις πολλών ανθρώπων και γνώρισε τον  
τρόπο τους, και πολλές λύπες έπαθε στη θάλασσα μέσα  
στην καρδιά του,

προσπαθώντας να σώσει και τη δική του ζωή και την  
επιστροφή των συντρόφων του.

### Chinese Trad. (繁體中文)

Traditional Chinese characters are used mainly in Taiwan, Hong Kong, and Macau by tens of millions of speakers of Mandarin, Cantonese, and other Sinitic languages.

少无适俗韵，性本爱丘山。 误落尘网中，一去三十年。  
羁鸟恋旧林，池鱼思故渊。 开荒南野际，守拙归园田。  
久在樊笼里，复得返自然。

## Arabic

Arabic is spoken by over 400 million people across the Middle East and North Africa and serves as the liturgical language of Islam.

وَمَنْزِلَ حَبِيبٍ ذَكَرَىٰ مِنْ نَبِّكَ قَفَا  
مَدَّوْمِلَ الدَّخُولِ بَيْنَ اللُّوَى بِسَقَطِ  
رَسْمُهَا يَعْفُ لَمْ فَالْعِقْرَةِ مُتَوَضِّحِ  
وَشَمَّالٍ جُتُوٍّ مِنْ نَسَجَتِهَا لِمَا  
عَرَصَاتِهَا فِي الْأَرَامِ بَعْرَ تَرَى  
مُفْلِلَ كَلِّهِ كَأَنَّهُ وَثَقِيْعَايَهَا

## Devanagari (देवनागरी)

The Devanagari script is used for several major South Asian languages, including Hindi, Marathi, and Sanskrit, representing over 600 million speakers combined.

न जायते म्रियते वा कदाचिन्  
नायं भूत्वा भविता वा न भूयः।  
अजो नित्यः शाश्वतोऽयं पुराणो  
न हन्यते हन्यमाने शरीरे॥

## Urdu (اردو)

Urdu is spoken by more than 170 million people, mainly in Pakistan and India, and serves as Pakistan's national language.

اے آفتِ مِیْزِیٰ ایک عشق  
اے جاتی ہی ڈوب کر لے کو دل  
جائے اٹھتی لہر کی درد  
ہیں جاتے ہی بہ ساتھ بھی اشک

## Sinhala (සිංහල)

Sinhala is the primary language of Sri Lanka and is spoken by about 17 million native speakers.

සඳ එළිය පුරා රය නිල් සිලුවෙන් හැඩේලා  
සඳහනෙකු මෙන් සිත් තුළ හඬක් වී පාවෙයි।  
සිතීමෙන් පාරවල් හරහා ලංවිය මල් සුවඳක්  
සරත් රැයේ සුවිසෙලිනි මනමේ තනුවේ රැඳී.

## Khmer (ខ្មែរ)

Khmer is the official language of Cambodia and is spoken by more than 16 million people.

យាប់ស្តាប់ស្រងំ ព្រៃស្រពន់ស្ងួត ស្ទឹងស្ទឹងតាមស្រមោលដើមឈើ  
ឱ្យលំអ្នកលើស មកពីភ្នំព្រៃ ប៉ះមកដល់ចិត្តអើយឆ្ងាយណា ស្ងួតស្ងួតស្ងួត  
លេបលាស់តាមស្រែន ក្តីនឿយណាស់ក្រីក្រលេច។

## Telugu (తెలుగు)

Telugu is a major Dravidian language of India, spoken by over 80 million people, primarily in the states of Andhra Pradesh and Telangana.

నన్నయ భట్టుని వాక్కులు నదీవేగమువలె ప్రవహించి  
పాండవ కథామృతము లోకమును నింపెను।  
ధర్మమునకు మార్గదర్శి పాండవుని గాథలతో  
తెలుగు భాషకు తొలిమకుటం కీర్తి ప్రసరించెనె.

## Georgian (ქართული)

Georgian is the official language of Georgia, with around 4-5 million speakers, and is the largest member of the Kartvelian language family.

ქართული ენა კავკასიონის მთებს შორის  
დაბადებული ძველი ხმავია. ქრონიკებში,  
ხელნაწერებში და ხალხურ სიმღერებში ეს ენა  
ხალხის ისტორიას მოჰყვება. თბილისის ქუჩის  
საუბრიდან სოფლის სუფრის ტოსტებამდე,  
ქართული სიტყვები მეგობრობისა და  
სტუმართმოყვარეობის სულის ატარებს.

## Armenian (Հայերեն)

Armenian is the official language of Armenia and a key language of the global Armenian diaspora, spoken by roughly 6–7 million people.

Հայերենը միայն պետական լեզու չէ՝ այլ նաեւ հոգեւոր հիշողության տանող ուղի է:

Դարերի ընթացքում գրված տարեգրությունները՝ սաղմոսները եւ ժողովրդական երգերը՝

այս լեզվով են պահպանել ժողովրդի ուրախությունն ու ցավը:

## Russian (русский)

Russian is an East Slavic language spoken by about 258 million people worldwide and is an official language in Russia, Belarus, Kazakhstan, and Kyrgyzstan.

Мой дядя самых честных правил,  
когда не в шутку занемог,  
он уважать себя заставил  
и лучше выдумать не мог.

## Hebrew (עברית)

Hebrew is a Semitic language spoken by over 9 million people worldwide and is the official language of Israel.

הַלֵּלְךָ יְיָ אֱלֹהֵינוּ עַל כּוֹחַ הַיְּדֵיךָ הַגָּדוֹל וְעַל הַחֵסֶד הַגָּדוֹל אֲשֶׁר עָשִׂיתָ לְדָוִד עַבְדְּךָ וְלְיִשְׂרָאֵל עַמְּךָ.

## Thai (ไทย)

Thai is the national language of Thailand and is spoken by more than 60 million people.

สายลมพัดผ่านทุ่งข้าวเบ๊ยะ

กลิ่นดอกไม้น้หอมมาไกล

หัวใจคิดถึงรอยยิ้มและคำกักการของพ่อ

## Bengali (বাংলা)

Bengali is spoken by over 250 million people, mainly in Bangladesh and the Indian state of West Bengal.

এই নদী মাঠ আর গাছের ছায়া

মানুষের হাসি আর শোকের গান

সব মিলিয়ে বাংলা ভাষা হৃদয়ে রাখে প্রাণের গল্প।

## Tibetan

བོད་ཡིག་གི་ཆོག་སྒྲིག་ལྟ་བུ་ལ་ཁ་བ་གི་སྤྱི་བ་ལྟ་བུ་

ལྷོ་དང་སྤྱི་གྲི་དང་མཉམ་དུ་སྒྲིག་ཆ་སྤྲོད་བ་བསྐྱེད།

ལམ་སེང་གི་སྒྲིག་ཆ་བཞག་སྤྱི་དང་མཉམ་བཞག་པའི་ཡིད་ཀྱི་གདུང་འདུག།

## Tamil (தமிழ்)

கற்றறிந் மணம் நனநைந்துவரம் பட்டின் சொல்  
மனதில் நிற்கும் தமிழ் மண்ணின் நெஞ்சில் வறும்  
மரபின் இனிமை.

## Amharic (አማርኛ)

Amharic is a Semitic language spoken mainly in Ethiopia.

አማርኛ በኢትዮጵያ የመግባዝነት ቋንቋ እና የብዙ ብሔሮች መገናኛ መገናኛ ነች።

መዝሙሮች፣ ታሪካዊ ዘገባዎች እና የዕለት ተዕለት ተወላጅ ቃላት ውስጥ  
ይህች ቋንቋ የሕይወትን ድምጽ ታትማለች።

## Burmese (မြန်မာ)

Burmese is the official language of Myanmar.  
and over 40 million total speakers use it.

မြန်မာဘာသာကို ရှေးအခေတ်ကပင် ဗိမာန်၊

ရာဇဝင်စာအုပ်တွေထဲက ဗျာဒိတ်စာနဲ့အတူ

ဆက်ခံလာကြတယ်။