Chinese typography on the web

By Chen Hui Jing / @hj_chen

Hui Jing (Хуэй Джйн) Chen (Чэнь)







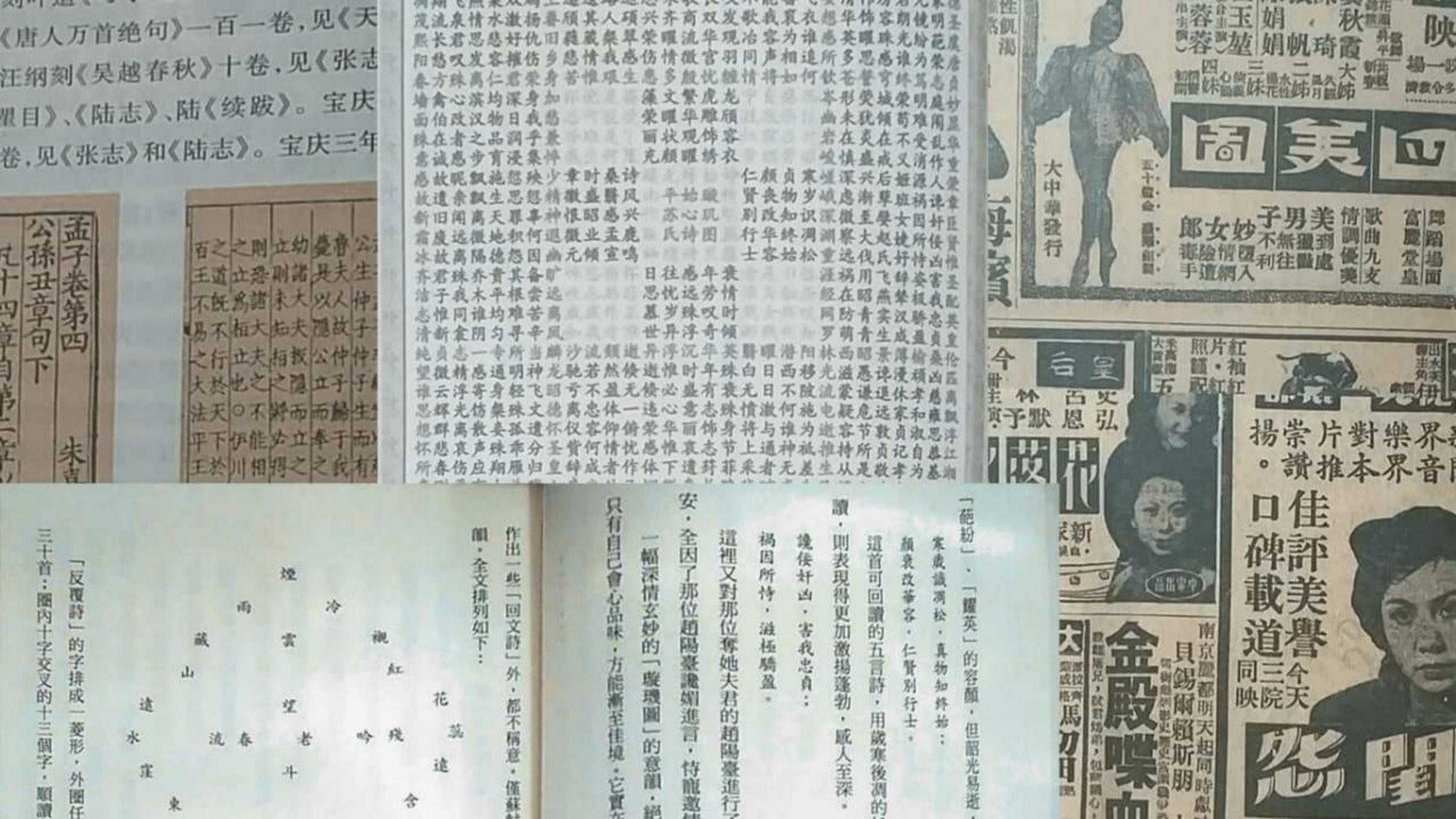








"Typography is writing with prefabricated letters" —Gerrit Noordzij





Hippopotamus

(English) 12 letters

河马

(Xe Ma)





ORIGINAL	Egyptian	Phoenician	Greek	Roman Capital	Roman Uncial	Roman Half Uncial	Minisade	MODERN FORMS
Ox	25	×	A	A	a	a	a	AaAcAaAa
House		7	8	В	ъ	ъ	Ъ	Bb BB B Bb
Camel	0	>	7	G	9	4	8	Ggg GGgg 6g
Door	þ	4	Δ	D	0	d	d	DaDDd和d
Window	ш	3	3	E	e	e	e	Eee E Eee Ce
Water	M	7	N	M	m	m	m	MmMmm
Eye	0	0	0	0	0	0	0	0000000
Mouth	0	7	4	P	p	p	p	Pp Pp Pp pp
Cross	+	X	T	T	7	2	t	Tt TTt Tt

Illustrating the probable development of some of the letters of the alphabet



SANS SERIF



甲骨文		D	***	3
金文	0	D	**	\$
小篆	Θ	R	車	
隶书	B	A	車	馬
楷书	Ą	月	車	馬
草书	a	A	4	3
行 书	भ्र	A	車	馬

六人

Song Ti (Сон Tu)

格件

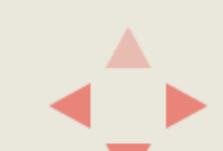
Kai Ti (Kau Tu)

方宋体

Fang Song Ti (Фан Сон Tu)



Hei Ti (Xeu Tu)



嶖嶖嶗嶗磱嶘嶘嶙嶙嵥欵嶚蟟蟟嶜嶜嶜嶝嶝隥嶞嶞飹嶙嶟皘蟜蟜瞲嶡嶡皢嶢皢潐 节布帄帅帆肃师师帉帉帊帋帋希帍帍帎帎帏帐帑帑帑帒帓帔帕帖帗帗帘帘帘帙帚帚帛帛帜帝帝帞帟帟帟帛帠軿峆帣帣帤帤帤帥带帧帨帨帨峭帩帩帪 号弓弔弔引引豆弖弗弗弘弘弙弙弚弚弚弛弛弛弜弜弝弝弞弞弟弟张弡弡弢弢弣弣弤弤弤弥弥弦弦弧弧弧弨弨弩弩弩弪弫弫弬弬弭弭弭弮弮弯弯弰弰彅弱弱弲弲弳弴弴張張弶 徝徝從徟僴徟徠御御徢徣鰎徤徥徦猵徧徨復復復循循徫徫徫徬徬徭徭徭微微微徯徯徯徰徱徲徲徳徳徵徵徵徽徶徶徳徳徸徸徹徶徹徺徻徼徼徽徽徽徽徿徿徿 怰怰怱怱怲怳怴怴怵怵怵怶怷怷怸怸怹怹怹怺总怼怽怾怿恀恁恁恁恂恃恃恃恄恅恅恆恇恇恈恈恉恉恊恋恋恌恍恎恎恏恏恐恐恐恑恒恓恔恔恕恕恕恖恖恗恗 必怮怮怯怯怯怯怱怱怲怳怴怴怵怵怵怶怷怷怸怸怹怹怹怺总怼怽怾怿恀恁恁恁恂恃恃恃怯恅惺惺惺 近怕怕惃惃惃惄惄惄情情惆惆愽惇惈惉惉惊惊惋惋惌惌惍惎惎惏惐惑惑惒惒惓惓惔惔惕惖惗惗惘惘惘惘惙愡愡愡惛惛惜惝惝惞惞惟惟惠惠惡惡惢惢惣惣惤惤惥묋惦惦惧惨惨惩怨 **臽慆慇慇慇慈慈槒慉慊慊態態態慌慌慌慍慎慎慏慏慐慑慒慓慓慔慔**藄藄藄慖慗慗幓**幓**慙慙慚慛慛慜慜懬懬悪慞慞朆慠慠慡慢慣慣鍯兝慥慥慥慦慦慦慧慧慧慨慨慨慨慩 奥手!!才才扎执**劫扑扒扒扒打扔扔払払扒扒**牡托托扙扚扚扛扞扝扝扞扟扟扠扠**扡扡扢扣**扤扥扥扦执执扨扨扩扪扫扬扭扭扮扮扮扯扰扰极极扲扲扲扳扳扴扵扶扷扸批批批抵抵扻 非椒掔掔掕掕掖掖掗掗镼掘掙掙掚掚掛掜掝裧掞掟婝婛婛採探探探揱揱掤掤接接接掦控控控推推掩掩措掫掫棷椈掬婖掭掮掮搧掯掯掰掰掰掱掲掦攌掵掶掷掸掹摻掻 桑搢搢搢揻揻搤搤搥搥攋搦搧搧搧搨搨墛搩搩搪搪搫搫搫艥搬搬撘撘搮搮搯搯搰搰搰搱摨搲搲搳搳搳搴搴搵搶搶嫃搷搸搸搹搹携橷搻搼搼搽搽搩搾搾搿搿搿摀摁摁摂損摄娏 飠撖撥撥瘏撦撧撧撨撨撩撪撪橅撫撬艬播播攝撮撮撹撯撯撰撰嫷撱撲撲擹擹撴撴撵搼撷撸撹撺撻撻撻撼撼揻撽撽檛檛檛撿擀擁擁擂擂擂擃擃擃鶐擄擄擅擅擆擆擇墿擈擉 排攠攡攡攡攢攢鬡鬡攤攤攥攥攥攞攊攠攧攨攨攡攪攖攖攬攬攇攡攡攮攮支攰攱攱攲攳攳攴攵收收攷攷攸改改攺攺攻攼攽攽放放핝敀敁敂敃敃敄故敆敇效效敹敉粀敊敋敋 斯斯方方於於抗流於於施施施施施於於勞勞於於斯納斯,與於於施施施施施施施施,與其能強能 晉晉晊晊晋晌晍晎晏晏晏晐晐晑晒晓晔晕晖晗晗晘晙晙晙晚晛晜晜 **8**日日日中曲曳更曳曶曷曷曷書曹曺曻曻曼曽曾曾替替最最最替朁朁朂會朄朅朅朅朆朆朇月有有朊朋肦肦服朎肣胐胐 未枉抑抑枋枋枌枌枌枍枍枍栚枏析枑枑枒枒枒枓枔枔枔枕枕枖林枘枘枙枚枛果枝枞枟枟枠枡枢枢枣枤枥枦枦枧枨枩枩枪枫枬枭枮枯枰枰枱枱枲枲枲枳枳枴枵枵架架枷栒枹枺枻枻 栰栱栲栲栲栳栳栴栴쳵栵栶样核核根根栺栺烒觡栽栾栾栿桀桀桀桁桂桃桃桄桅框框桇桇案案案桉桉桉桊桊桋桋菒桌挎桍桎桎桏桐桑桑桒椬椬恄桕桖桗桗桘桙桙桚桛桜桜桝桝桞桟 榥棍棍棎棎棎棏棏棐棐棐棑棑棒檋棓棓棔棔棕棕棕棖樶棗棘棙棙掤棛棛棜棜棝棞槺棠棠攌棡橍橍槺棣棤棥棦棦棦棧棨棨棨棩棩棪裧棫棬棬棭棭森森棯棯棯棰棰棰倰婈倰倰椱椱 经槢槢槢槣槣槤槤槤槥槥榵槦槦槦槧槧槨槨糪槩橜槪槪槪槫槬槬犔槭槮槮椔槯槰槰頺槱槲槲槳槳槳櫷櫷樬槵槶槷槷槷槸槸槸槹槹槺槺槻槼槼槽槾槿樀樀偆樁樂 橥橦橦橧橧櫕橩橩橪橪横櫕橬橬榟樿橮橮橯橯槹槹櫉橲橳橳橴橵橶橷櫑橹橺橻橼橽橽橾橾櫮憻櫁檁檁檁檂檂檃檃檃皦嬓檅檅檆檇檇檈檈檉檉艃檊檋檌楎檍檍檎檎欚檏艪 数数数数数似止正此此步步武歧走走步步歪距距,背峙峙旌歯歯歰歰踵歲歲歲歷遺鴜鵟歷歷歸歸歹歺死死死歼歽歾歿殀殁殁殂殃殃殄殅殆殆殇殈殉殊残残殌殍殍殃殏 展展厅户迎迎迎迎举举县组组组织共行员制建 H: H: II 没查沔河沕沖泰沘沘沘沙沙沚沛沛沜沜沝沞沟沟沠没没沢沣沤沥沦沧沨沩沪沪沬沬沭沭沭沮砻祏沱沱沲河沴沵沵沶沶泼泼沸沸油沺治治沼沽沾沿沿沿河沉泂泃泄泄泅 至洸洹洺活洼治派派洿洿浀流流流关关决净浅浅浆浇浈浉浊测浌浍济浏浐浑浒浓浔浕浖浖浗浘浙浚浚浚浛浛浜浝浝浞浟浠浡浢浣浣浤浤浥浦浧浧浧浨浨浩浪浪浫浫浬 松凇摇澳淠淡淡淢淣淤淤渌渌渌淦淦淧淧淨淨逡逡逡淪淪淫淬淬淭淭潐淮淯淯滰淰淰淰深深深漉淲淲淳淳淴淴淵淵淶混混混淸淹淹淺添淼淼淼淽淽淾淿渀渘渘渂渂渃渃裶渄清清渆渇済済渉 湿湿満満溁溂潰溄濺溆溇溈溉溉溉溊溋溌溍溍溍溎溏 **溑溑溒溒漾溓溔溕溕** 掌滺滺滻滻滻滼滼潚潚潚滾滾滾濲滿滿漀漀漁漂漂漃漃漄漄漅漆漆漇漇漈漈漉漉漉漊漊漊灉漌漍摐漏漏漐漐凞漑漒漒漒滳滳滳演澒漕獤漖漶漗漘漘溽澚漚漚漚漛潫漜漜 是旁旁澈澈澈澈潋潋霄潭漂漂澌澍澎澎澈峦凄凄凄溜溜澒澓澓旆旆潷澤澤渊瀾澗瞀霭澪澚澛澜濔濔灢謨漠澟澟澠澠 丑炅炅炆炆炆炆炈炈炉炉炊炊炊炋炌炍炎炎炎炊炐炑炑炒炒炒炓炓炔炔炕炕炕炖炖炖炗忻炘炙炙炚炚炛炜炝炞炟炟炠炡炡炢炢炣炤炤炥炥炦炦炧炨炨炩炩炲炪炪炫炫炫烥蚷姖炭 焏焐焐焑焒焓焓焔焕焖焗焗焘焙焙焙焚焚焚焛焛焛焜焜焜焝焝焞焞焞焟焟焠焠焠無無焢焢焢焣焣焣扊焤婲焥焥焦焦焧焧焨焨焩焩焪焪焫焫焬焭焮焮焮焯焯焰焰焰焱 閦熍熍愮熎熏熐熐熐熑熑熒荌熓熔熔熔熕熖熖嵢熗熘焣焣煕熚熚熚熛熛熜熜熜熝熝熝熞熞熞熟熟熠熠熠慺熡熡塳塳熦熦熤熤熥熥熥熢熦熧熋熨熨熩爈熩熪熪熫熫熬熬熬熭熭熮熮 今玳珊珊坩玶玶玷跑弦痃玺玻紪跐珣玾玿珀珁珁珂珃珃珄玾坮坮跙珈珉珉珊堋珋珌昣炋珐珐珐垅建珓珓珔珕垙珗珊坍琪瑚珛媠珜蝌蝌挌媬珠焋珡堒堒珣珤珤琩埧埧珋垗珨烆垏兓矫

岭岭岭屹屹屹屹岯岯岻岰岰岰岱岱岲岲岳岳岴岴岵岵岵岶岶岶岷岷岷岸岸岹岹岺岺岻岻岼岼岽岾岾岿峀峀峁鮗峃峄峅峅峆峆峆峇峇峈峈峈峉峉峊峊峋峋峋峌峌峌峍峍

尶尶尷尷尷尸尹尺尻尼尼尽尾尿局屁屁屁层屃尻屄屄居居屆屆屆屈屈屈屉屉届屋屋屌屍屍屍屎屎屏屏屐屑

!崥崥崦崦崦崧崧嶘崨崨崫崩崩崪崪崫崫崬崭崮崮崯崰崰崱崱崲崲崲崳崳崳崴崴崴婸崵崵嶎崶巆崷崷崸崸

玉压尬尬尭尭尮尮尯尯尰尰就就尲尲尳尳尳尴尵尵

故知毕氏者莫如括,而括以亲见亲闻者 j有征。 沈氏记其活字印书法曰:

"版印书籍唐人尚未盛为之,自冯瀛王 为版本。庆历中有布衣毕昇又为活版,其: 悸,每字为一印,火烧令坚。先设一铁版,其 类冒之。欲印,则以一铁范置铁板上,乃密布 持就火炀之,药稍熔,则以一平板按其面,则 ②扩充系统的操作功能,编辑操作中新增件的文本里容许使用如下的定义式:《汉字结构

这里,《汉字结构符》就是前面提到的新定的《编码字符串》是在前述①中的已经编码的3 边给出几个具体例子:

定义式 拼组后的汉字

二 斩日 暂

リ 又见 观

品 公 习 习 翁

哭 王白石 碧

利用这种定义式,足以拼组出海量的(数万、本上排除当今汉字系统中讨厌的外字困扰。

Printing Design and Layout

called. The difference is in the serif formation. The fine cross strokes at the ends of the up and down strokes are strong without appearing heavy. The general effect of a Jenson typeface is that of a monotone character, there being little contrast between the major and the minor stems.

From then onwards printers in Italy made increasing use of roman types, while the few founts of black letter imported from Germany were discarded. In France, however, and in England, the Gothic design continued unchallenged for a few years.

Aldus Pius Manutius is famous as the inventor of italic type, which tradition says was founded on the handwriting of the poet Petrarch. It is to Aldus that Venice owed the wonderful reputation it attained in the art of printing. While tutor to the young princes of Capri, he had conceived the idea of setting up a press with the chief object of issuing fine and correct editions of the classics. In spite of offers of assistance from his patrons at Capri, he naturally turned to Venice as the ideal place for such an enterprise and settled there in 1489. From that date he began to issue the numerous editions which have made the Aldine Press famous in history. His first experiments were with the Greek classics, for it was the greed and evidity for Greek books which led him to devote his life and powers to the publications of these rare treasures.

It was doubtless his familiarity with the Greek cursive founts then in use that inspired Aldus to produce his italic, in order to give the Latin language an informal and compact type of a similar character. Following the custom which has survived until this day with Greek founts, there were no sloping capitals with the Aldine Italic, the small capitals of his roman fount serving as italic capital letters.

Not all the books produced by the Aldine Press, however, were composed in these italic types, for they were reserved for the cheaper editions, small compact volumes which, owing to the compressed nature of the type, contained a great deal of information and sold for the equivalent sum of two shillings in present day currency.

The most notable achievement of Aldus was his beautiful roman type, which first appeared in a little tract by the poet Pietro Bembo, entitled *De Aema*. This type, produced in 1495, was the first old face and was the result of considerable experiment and the collaboration of the skilled cutter, Francesco Griffo, who was also responsible for

XXIV

TO RESTORE TO BEAUTY ITS STRANGENESS

Such a decentring of perspectives, by way of China, appears to me salutary, not in order to look elsewhere for a solution—an elsewhere can never furnish anything other than a utopian solution—but because it can provide a starting point from which to unmake the contradiction that, in our days, otherwise closes in on us in like a vice. It may be impossible to continue to believe in the beautiful—the last cult to be abolished—but neither can we do without it. For if one sticks to this internal history alone, that of the beautiful banished by art after having ruled so sovereignly over it, but threatening also to drag art down in its fall, the situation then turns out to be blocked. And already (still) from a theoretical perspective, as Adorno said, 'The beautiful cannot be defined, but

The BOOK of

Common Prayer,

And Administration of the

SACRAMENTS,

AND OTHER

RITES and CEREMONIES

OFTHE

CHURCH,

According to the Use of

The CHURCH of ENGLAND:

TOGETHER WITH THE

PSALTER

PSALMS of DAVID,

Pointed as they are to be fung or faid in Churches.

CAMBRIDGE,

Printed by JOHN BASKERVILLE, Printer to the University; by whom they are fold, and by B. DOD, Bookfeller, in Ave-Mary Lane, London. M DCG LXH.

(Pairs Eigha Shillings and Stepener, unbound.)

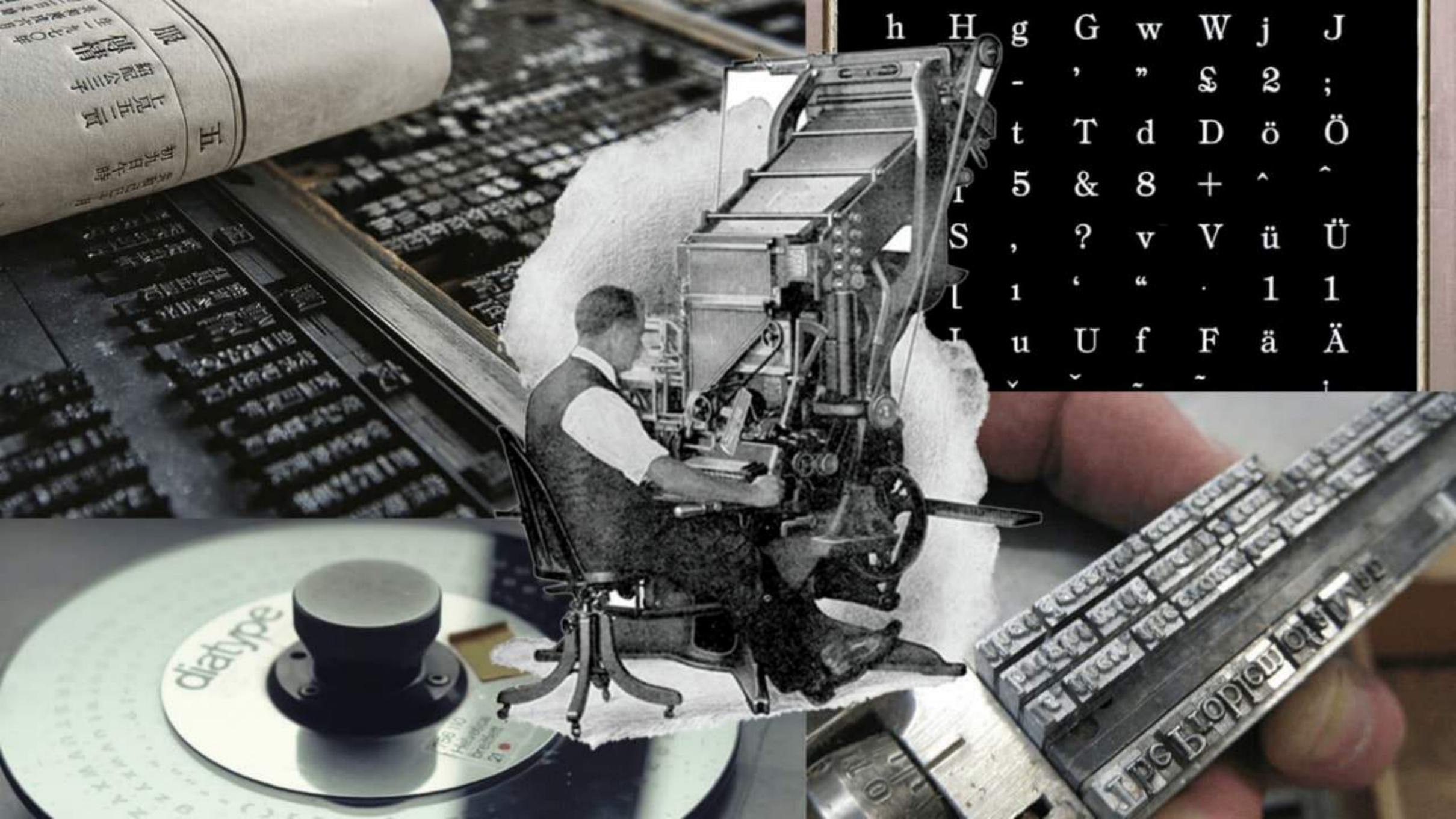




泰普格罗菲的叫法包含了两方面的价 A TRANSLITERATING BODY 值,一是这是一个清晰可见的外来语,WILL EASILY REMIND PEOPLE 对于学者和学生而言可以准确地将学 TO PAY ATTENTION ON THE 科定位,防止因定义不准确所产生 SUBJECT FROM THE WESTERN 的模糊不清,有助于继续研究和学习。SIDE. UNDENIABLY, LOTS OF 二是它在国际上通行通用,毕竟在现 WESTERN WORDS SUCH AS

泰普格罗菲的叫法包含了两方面的价值,一是这是一个清晰可见的外来语,对于学者和学生而言可以准确地将学科定位防止因定义不准确所产生的模糊不清,有助于继续研究和学习。二是它在国际上通行通用,毕竟在现有

A transliterating body will easily remind people to pay attention on the subject from the western side. Undeniably, lots of western words such as Coca-cola, Chocolate, Humor



Web characteristics

- Later binding
- Multiple outputs
- Partial control
- Uncertain delivery

The web is a unique medium on its own.

Font formats for web use

WOFF2 (Web Open Font Format 2)	Microsoft moz://a Opera
WOFF (Web Open Font Format)	Microsoft moz://a Opera
OTF (OpenType)	Microsoft
TTF (TrueType)	Microsoft (
EOT (Embedded Open Type)	Microsoft
SVG (Scalable Vector Graphics)	W3C* SVG

@font-face rule

```
@font-face {
  font-family: 'Magnetic Pro';
  src: url('../fonts/magnetic-pro-light.woff2') format('woff2'),
     url('../fonts/magnetic-pro-light.woff') format('woff');
```

WOFF - Web Open Font Format

Compressed TrueType/OpenType font that contains information about the font's source.

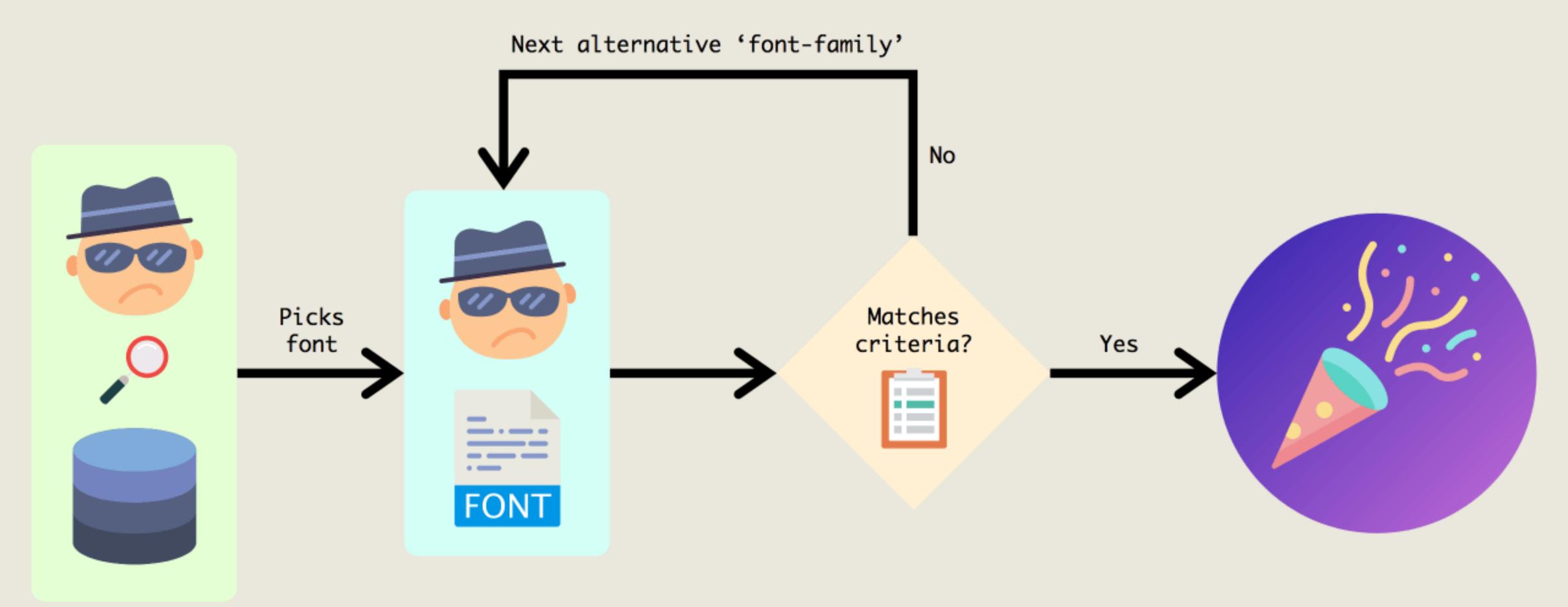
l	IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Android
l	9	13	51	56	9.1	42	9.3		4.4	
l	10	14	52	57	10	43	10.2		4.4.4	
l	11	15	53	58	10.1	44	10.3	all	56	57
			54	59	TP	45				



✓ X Partial Support

Global: 94.35% + 0% = 94.35%

Data from caniuse.com | Embed from caniuse.bitsofco.de









Declare your Latin fonts first

font-family: 'Gentium Basic', 'PingFang TC', 'Microsoft JhengHei', '微軟正黑體', 'Heiti TC', '黑體-繁', sans-serif;

Font rendering for Mac and Windows is different, and sometimes the Latin characters in Chinese fonts don't look good on Windows.

Put your font names in quotes. Just in case.

Generic font families

Dependent on OS, HTML language, character set and browser.

serif	Times New Roman, SimSun, SongTi SC
sans-serif	Arial, Microsoft Yahei, PingFang SC
monospace	Consolas, SimSun, PingFang SC
cursive	Comic Sans MS, Apple Chancery, SimSun (oblique), SongTi SC (oblique)
fantasy	Gabriola, Impact, Papyrus, Microsoft Yahei, PingFang SC

Level 4 is adding system-ui, emoji, math and fangsong

Basic font properties

font- weight	Specifies the weight of the glyphs in the font. Can use keywords or numerical values.
font- stretch	Selects a normal, condensed or expanded face from a font family. Range spans over 9 keywords.
font-style	Allows italic or oblique faces to be selected.
font-size	Indicates the desired height of the glyphs. Takes absolute or relative values.
font-size- adjust	Adjusts the font-size to preserve the x-height of the first choice font.
font- synthesis	Controls whether user agents are allowed to synthesize bold or oblique font faces when missing.

Using non-system fonts

The @font-face rule allows us to link to fonts, either locally or external, which are fetched and activated when needed.

We can use multiple <a>@font-face rules to construct font families.

A rule consists of the @font-face keyword followed by a block of font descriptors.

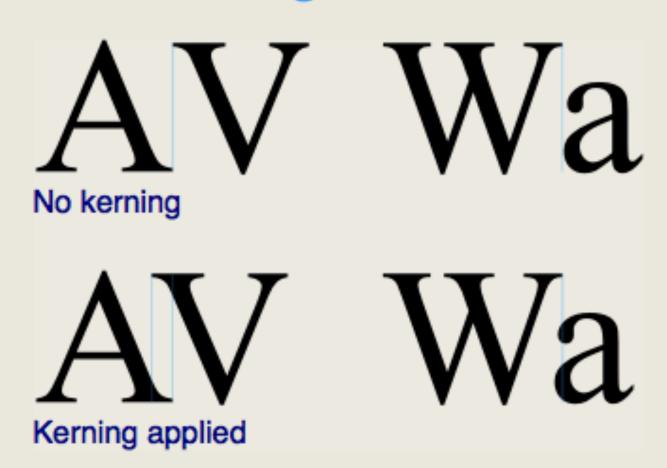
Anatomy of an @font-face rule

```
@font-face {
  font-family: <family-name>
  src: [ <url> [format(<string> #)]? | <font-face-name> ] #
  font-style: normal | italic | oblique
  font-weight: normal | bold | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900
  font-stretch: normal | ultra-condensed | extra-condensed | condensed | semi-conden
  unicode-range: <urange> #
  font-variant: normal | none | [ <common-lig-values> | <discretionary-lig-values> | <h
  font-feature-settings: normal | <feature-tag-value> #
```

```
@font-face {
font-family: 'Magnetic Pro';
src: url('magnetic-pro-light.woff2') format('woff2'),
  url('magnetic-pro-light.woff') format('woff');
font-weight: normal;
font-style: normal;
@font-face {
font-family: 'Magnetic Pro';
src: url('bender.woff2') format('woff2'),
  url('bender.woff') format('woff');
font-weight: normal;
font-style: normal;
unicode-range: U+0020, U+0414, U+0425, U+0427, U+0436, U+0439, U+043d, U+0443, U+044c-U+044d;
```

Font feature properties (1/2)

font-kerning



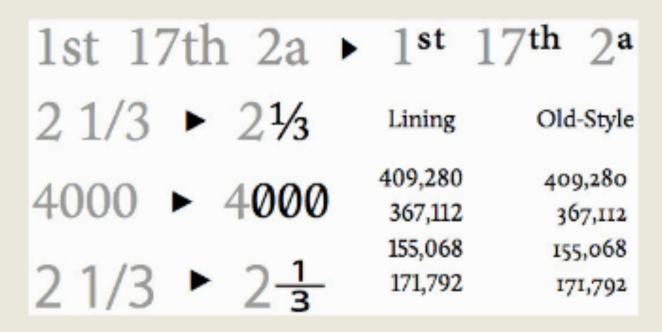
font-variant-position

$$C_{10}H_{16}N_{5}O_{13}P_{3}$$

 $C_{10}H_{16}N_{5}O_{13}P_{3}$

font-variant-position-ligatures

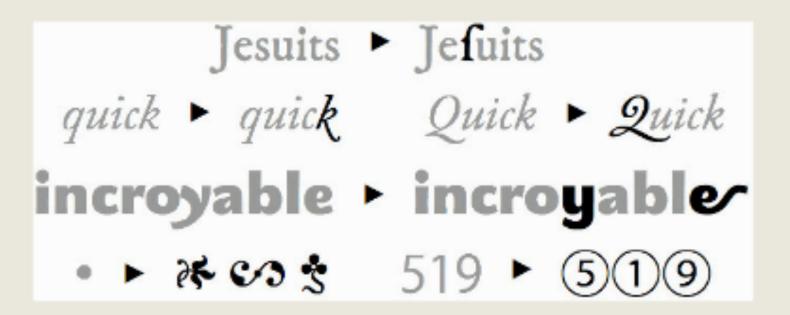
font-variant-numeric



font-variant-caps

The DOM, the HTML syntax, and the XHTML syntax cannot all represent the same content. For example, namespaces cannot be represented using the HTML syntax, but they are supported in the DOM and in the XHTML syntax.

font-variant-alternates



Font feature properties (2/2)

font-variant-east-asian

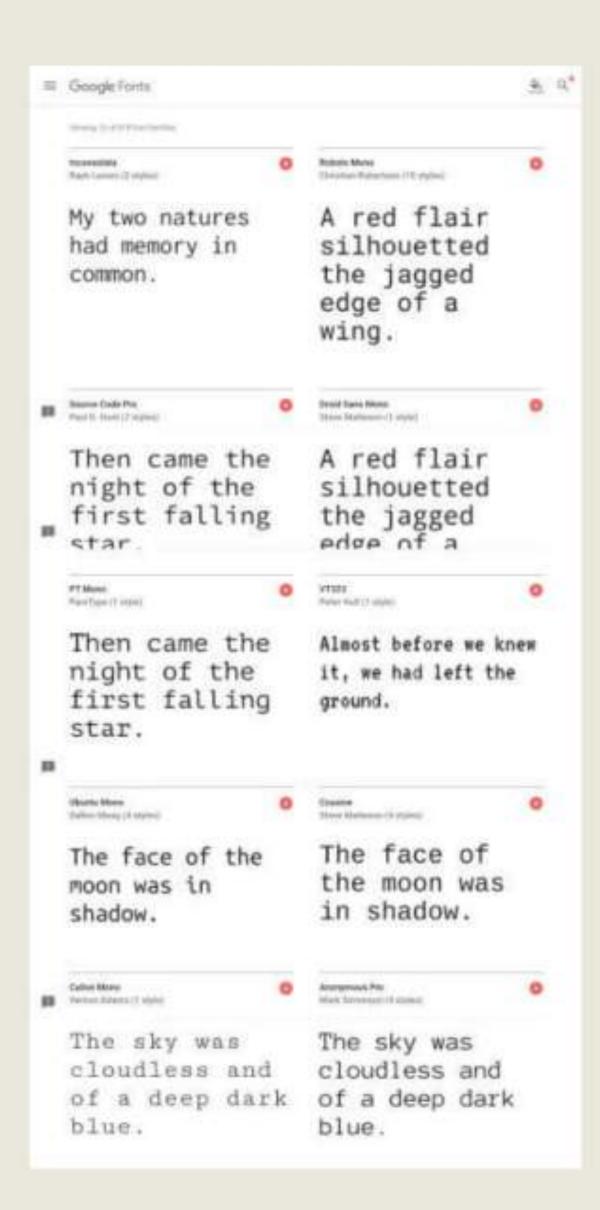
麹町 * 麹町 大学 * 大學 欧文フォント * 欧文フォント

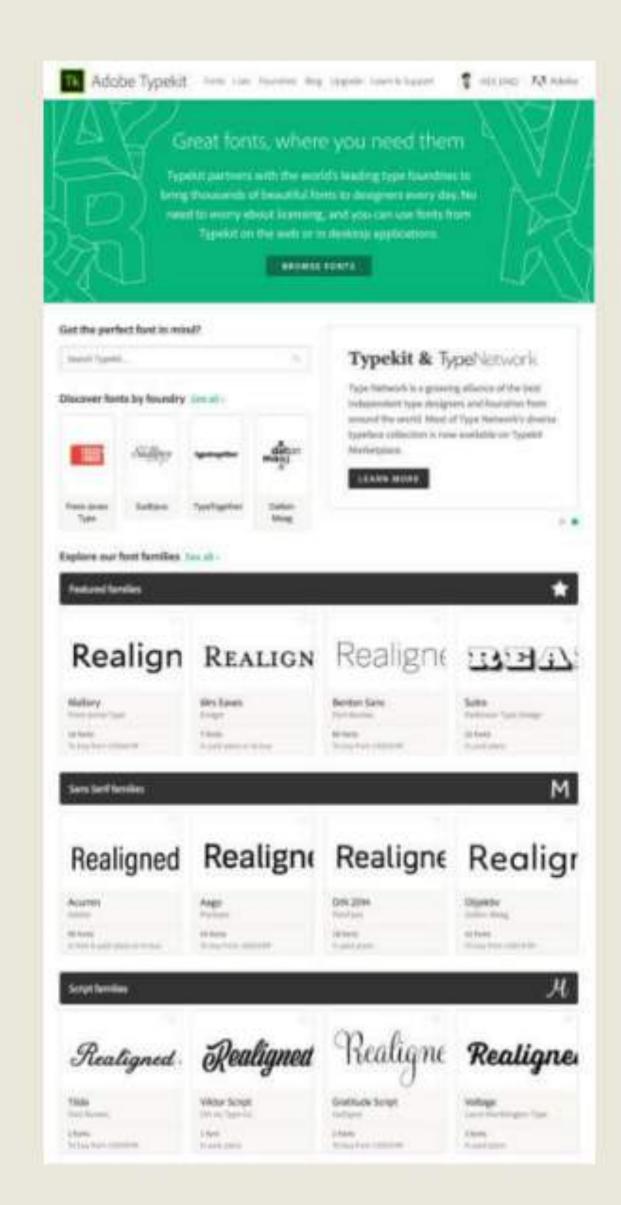
font-language-override



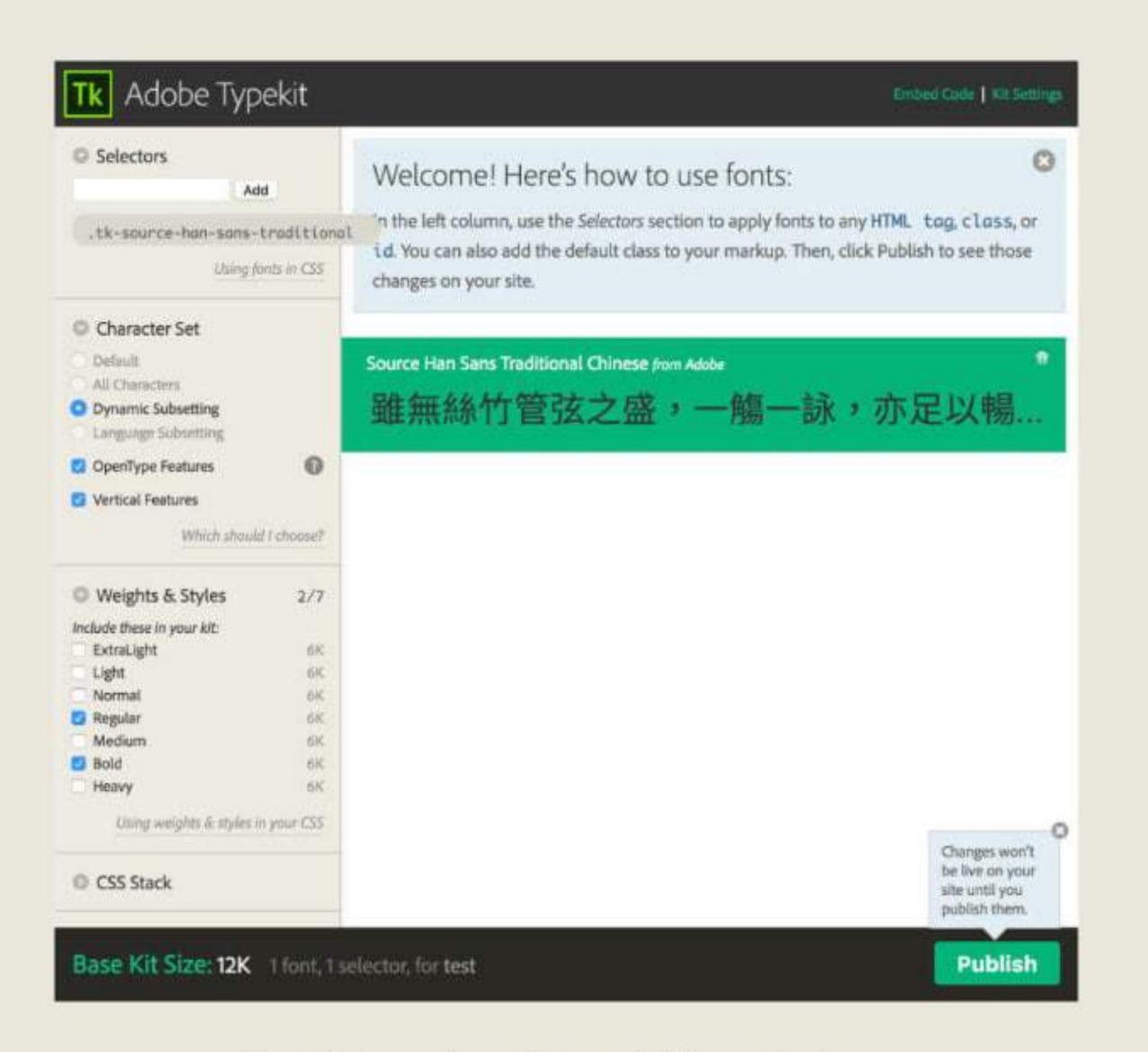
font-feature-settings

Provides low-level control of advanced OpenType features

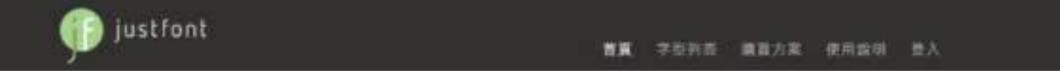








Configuring Typekit settings



當中文字躍上雲端

最先進的中文雲端字型 (web font) 服整、讓您在網頁中直接使用字型



200

505T

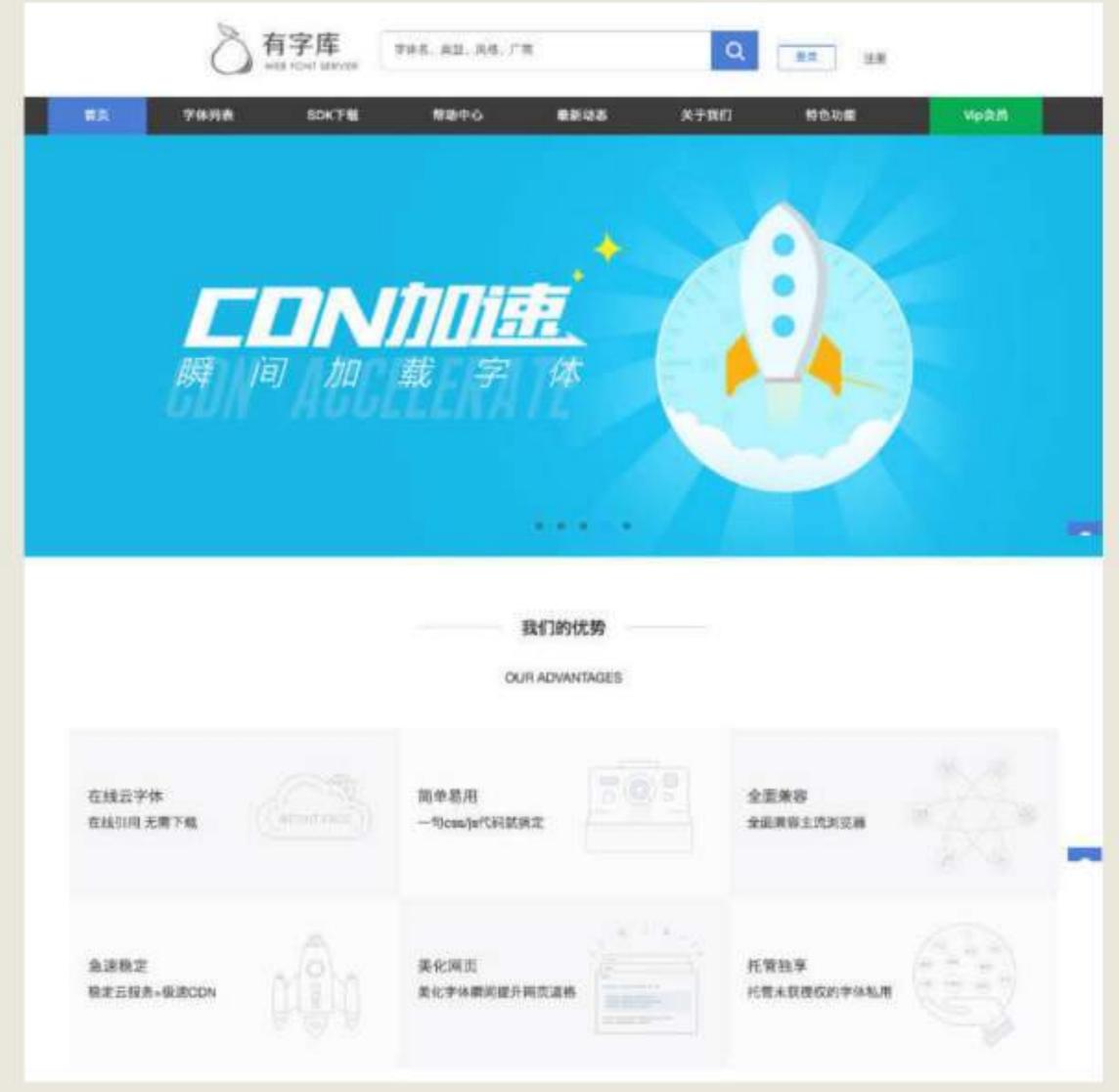
+ Jois Member Now

網頁中使用真正的文字,大幅

夏中,您可利用胡賈詡法加入各種種體、讓您

增加網站 SEO 排名!

斯站的關鍵字排名大幅提升:



justfont









关于iFontCloud

服务内容 合作伙伴

求.

关于我们

新字体

活动

应用新知

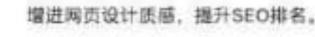
针对各种字体使用的需求提供贴近的服务

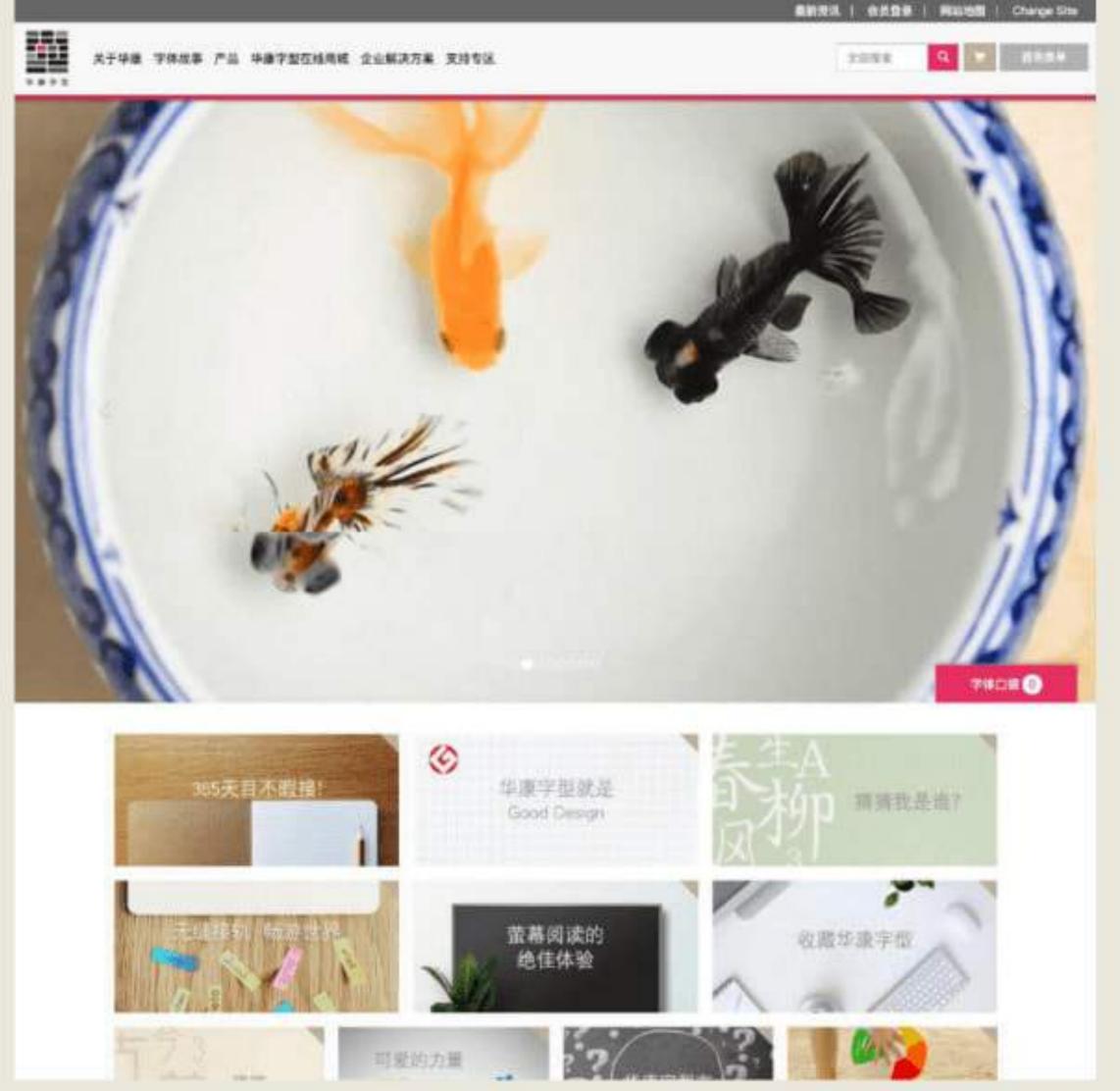
将优质的字体带入生活中

生活周遭充斥着许多的字体,它们各以不同的方式存在着,好的字体可以更容易 传达讯息。文鼎和许多字体公司以及设计师合作、上架各种独特的风格、让优质 字体更普及于生活中。

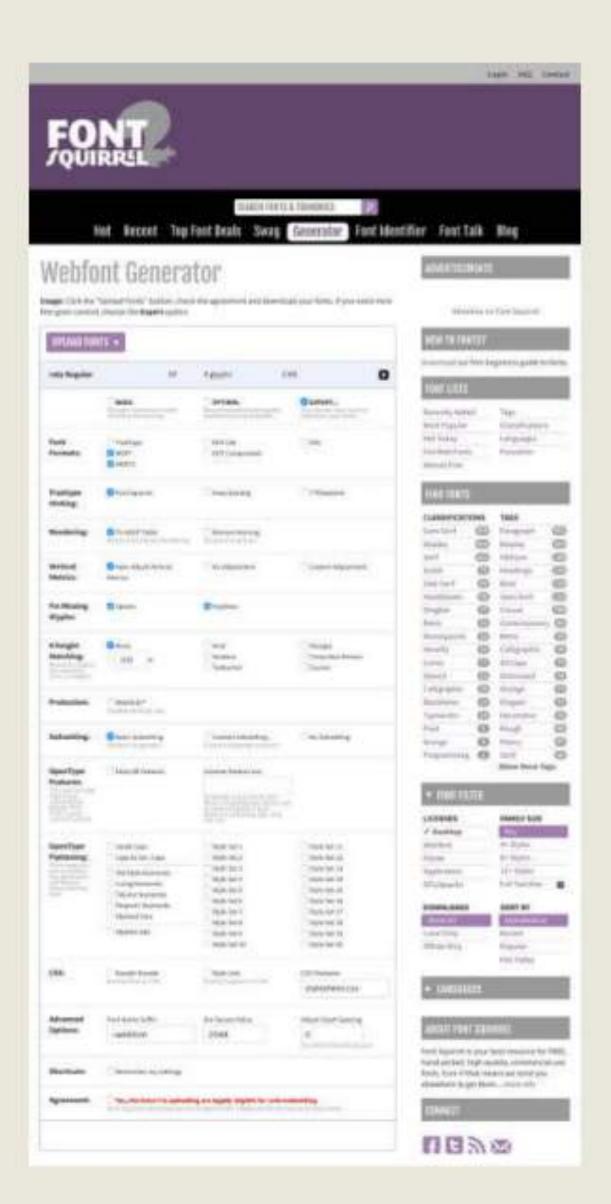
个人化购买服务,满足各式字体需

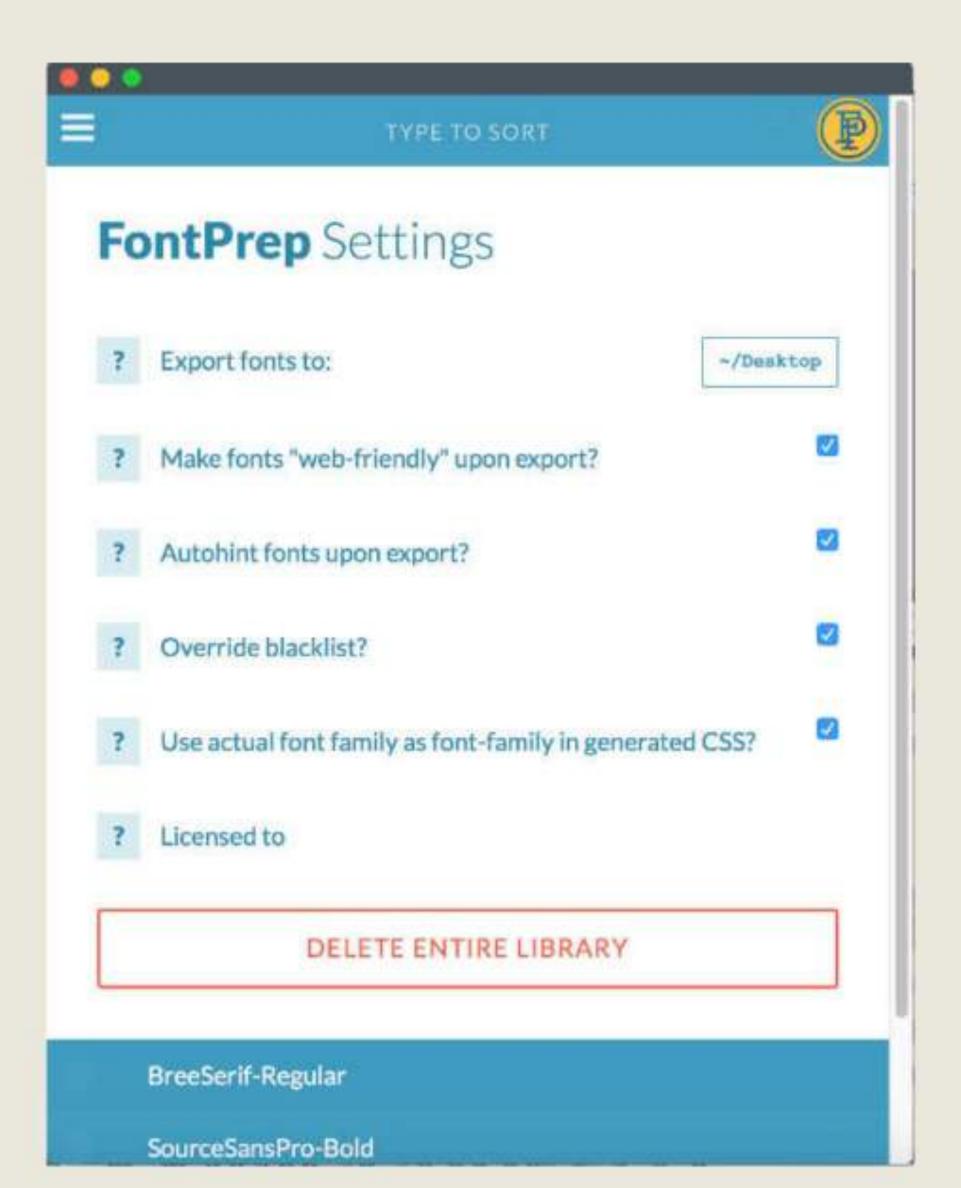
















"Be formless, shapeless, like water. Now you put water into a cup, it becomes the cup. You put water into a bottle, it becomes the bottle. You put it in a teapot, it becomes the teapot. Now water can flow, or it can crash.

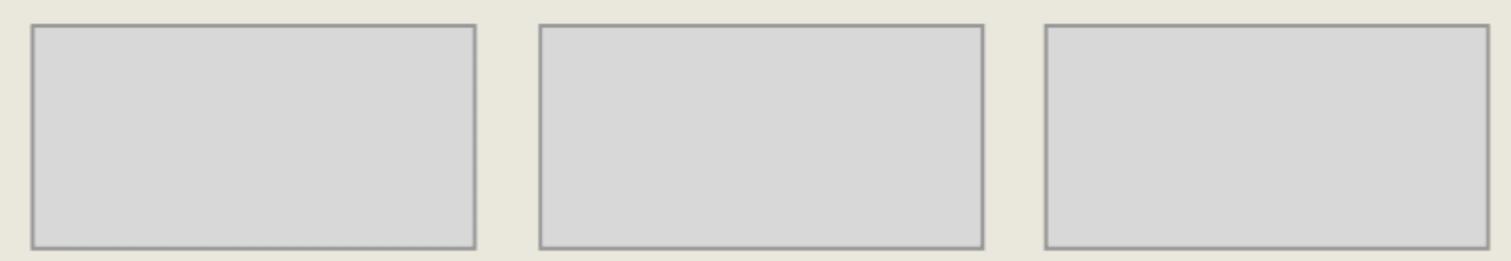
Be water, my friend."

-Bruce Lee

Looks familiar?

Some (hopefully) relevant text

Be thankful they didn't ask for a carousel



Probably some more marketing copy for each of the 3 images above that will only get passed to you after you've built most of site, which is never the length of the lorem ipsum your designer used and hence he/she will ask you how come the columns cannot be the same height.

The magic of Writing Modes

CSS Writing Modes Level 3 defines CSS features to support for various international writing modes, such as left-to-right (e.g. Latin or Indic), right-to-left (e.g. Hebrew or Arabic), bidirectional (e.g. mixed Latin and Arabic) and vertical (e.g. Asian scripts).



erti cal i s f u n t e x t



Or make it read from rightto-left.



You can make your browser literally turn on its side from left-to-right.

line orientation

Ultimately it is the magic of shadows. Were the shadows to be banished from its corners, the alcove would in that instant revert to mere void.

inline base direction

A phosphorescent jewel gives off its glow and color in the dark and loses its beauty in the light of day. Were it not for shadows, there would be no beauty

line orientation

block flow direction

inline base direction

block flow direction

line orientation

inline base direction

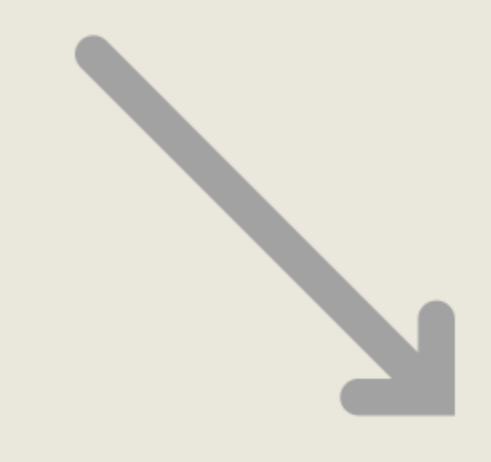
vertical-lr vertical-rl



钱存训

钱存训





钱存训

Rotate

Translate



writing-mode property

horizontal-tb	从1987到现在
vertical-rl	到 1987
vertical-lr	到现在
sideways-rl*	从1987 到现在
sideways-lr*	从1987 到现在

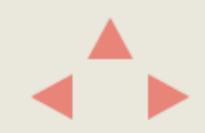


text-orientation property

从1987到现在 ixed

从1987到现在 upright

从1987到现在 sideways



text-combine-upright property

民國106年7月3日 no

民國10年7月3日 all

digits <integer>*



Typography suggestions

- Use and declare the correct font-family
- Make sure the font-size is large enough
- Set line-height for sufficient breathing room
- Use text-align: justify
- Keep lines to around 25-35 characters
- Set a margin-bottom for the p element

文字的故事

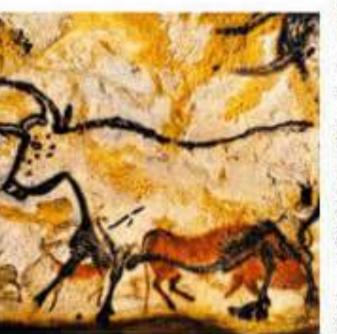
記錄…演變 05/20/2014

人類和其他生物物種總是在以自己獨特的方式和語言給大自然和自己的生命歷程留下一些印 (Visual Communication) 的開始。 。當遠古時期的獵人根據熊掌印開始追踪的時候,那便是最早的「視覺交流與傳播」

最早的視覺傳達方式基本都是利用鹽形進行的。這是北美印地安在史前的岩洞壁畫



法國發現的拉斯考克岩洞中 古代 人類的原始繪畫 大約西元前一萬



古代中亞文明的黑石鴨形,是由烏爾王奉獻給南那神的供品,公元前3000年左右



中,字體設計(Typography)始終是最基礎而不可缺少的訓練內容。 的歷史幾乎也就是整個平面設計發展的全過程。在歐美傳統」學院派」的設計教育課程體系 己的思想、活動、成就,開始是利用圖畫作手段,但是圖畫對於思想的表達能力非常有限, 特別是對於比較抽象的思想的記錄,幾乎無能為力。後來,人類創造了文字,進而發展為不 一本完整的平面設計史,是應該從人類開始記錄或傳播自己的思想開始的。人類為了記錄自 何的文字系統和傳播手段;現在 - 文字成為了視覺傳播體系中一個最基本的元素 - 文字發展

* 竪排

max-height: 25em

MNBL女子决赛,昔加末攀高峰夺冠

带领昔加末篮球公会以60比 51击败吉隆坡高峰集团,以大 联赛(MNBL)女子决赛中爆发, 热姿态在第一座MNBL奖杯上留名。 (吉隆坡29日讯) 国手陈慧晶昨晚在第一届大马全国篮球 全场轰进18分4篮板,

陈慧晶夺生涯首个阶

陈慧晶在初赛与半决赛并不是特别抢眼,岂知来到决赛却 选决赛卿(最有价值球员),生涯首次获得这一项荣誉。 8中,命中率高达5%,尤其最后一节更是独得8分,顶住 成为了球队的致胜功臣。 凭藉决赛的精彩演出, 陈慧晶也因此当 身高切公分的陈慧晶此役

投进了几个三分球,我们才能够在紧要关头将比分扩 除了我们的卿(陈慧晶), 对于陈慧晶的表现,昔加末主帅戴正钧也赞不绝口, 「陈慧晶在这一场比赛的发挥是大家有目共睹的。 汪秀婷、 邱嫊媚也在关键时刻 丽

多次靠三分球扩大比分

margin-top: auto

球;然后在22比3时, 昔加末靠三分球抛离对手的纠缠, 出手命中三分球,让高峰队多次努力无功而返。 赛最后 5分钟高峰以 45比 55咬紧比分时,邱嫊媚又适时 像第三节高峰队追至 20比 26时,邱嫊媚就轰进三分 汪秀婷也射出一记三分弹;来到比 本场比赛就出现了好多

margin-bottom: auto

场最高的10个篮板。 婷和钟佩金各得了分, 除了陈慧晶,邱嫊媚与彭燕燕在此役也各射下8分,汪秀 彭慧萍虽然只得 5分, 但却抢下全

高峰队的陈巧婷此役的发挥也极为出色,射下23分8篮 李秀雯8分6篮板、伊查蒂 7分6篮板等。 但却无法带领球队取胜。此外叶佛仪取得 10分 5篮

雷升龙:发挥输对手%

高峰队主帅雷升龙表示,高峰队其实在本场决赛发挥得不 只是昔加末的表现更为出色、 防守也比他们更为严

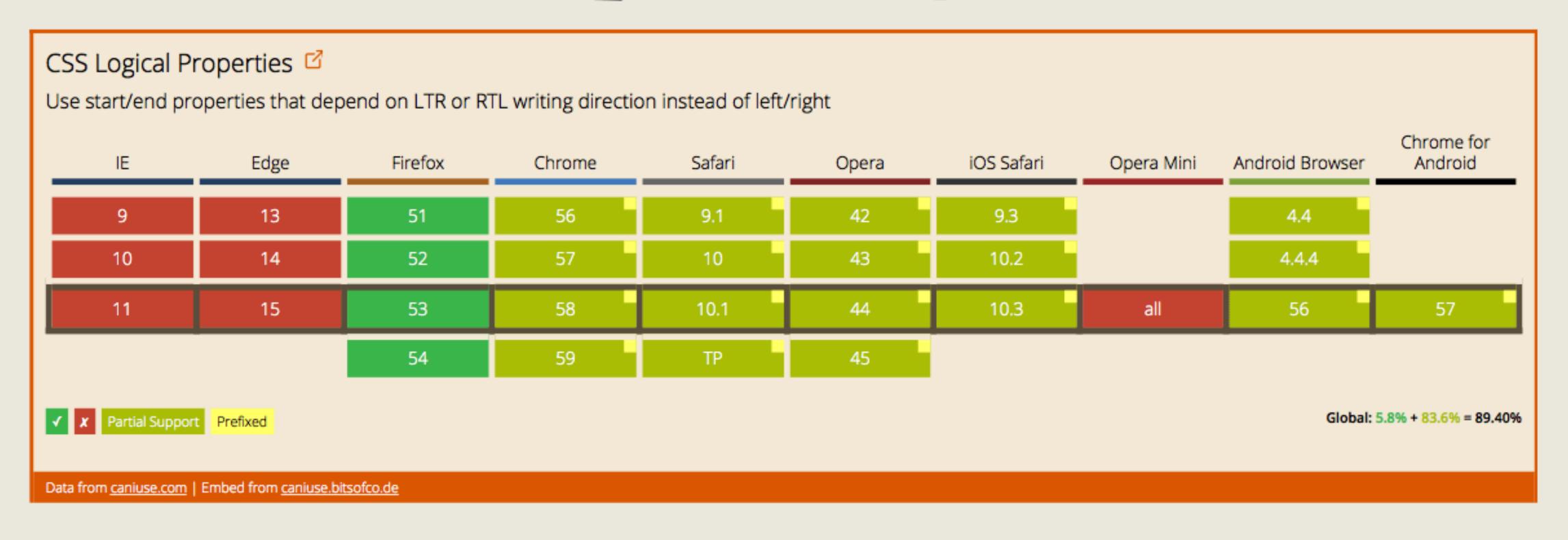
胜负关键就要看双方球员的临场表现,而在这一方面我们 「我们和昔加末其实都属于同样水平的队伍,

十して 事ラ を月にこ

Willem de Koonin

life. in Virginia, de Kooning slipped off, the New York avant-garde, Willem de skirted immigration, and made his way to young artist stowed away on a ship bound artist, who was perceived by many of his Kooning could be described as an artist's New Jersey—and so began the rest of his for Argentina. While the ship was docked commercial arts. In 1926, the adventurous Rotterdam Academy, training in fine and impoverished household and attended the Rotterdam, where he grew up in an peers as its leader. He was born in Jackson Pollock was the public face of

CSS Logical Properties



文字的故事

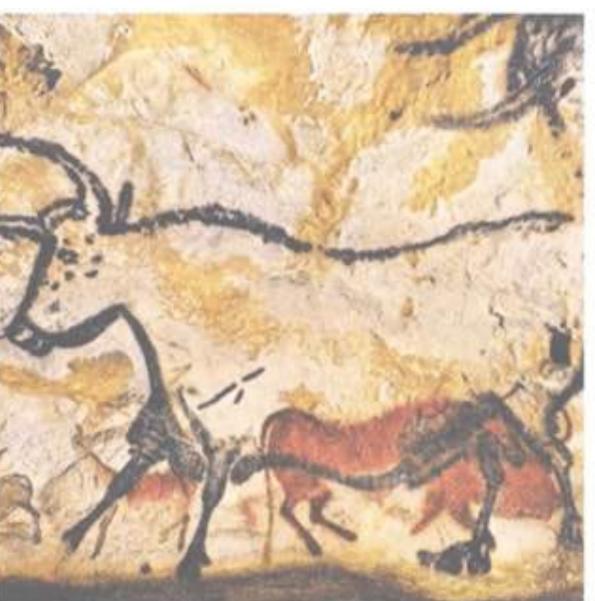
記錄:演變 05/20/2014

與傳播」(Visual Communication)的開始。 一些印跡。當遠古時期的獵人根據熊掌印開始追踪的時候,那便是最早的「視覺育 人類和其他生物物種總是在以自己獨特的方式和語言給大自然和自己的生命歷程部

岩洞壁畫 最早的視覺傳達方式基本都是利用圖形進行的。這是北美印地安在史前的



萬五千年 法國發現的拉斯考克岩洞中, 古代人類的原始繪畫·大約西元前一



古代中亞文明的黑石鴨形,是由烏爾王奉獻給南那神的供品, 公元前3000



堅排



城福建话的广播。



但是我觉得自己一出生就已经将小时候跟妈妈一起阅读英文模城福建话是我的母语。我记 别,因为她说的是新加坡福建但是腔调跟词汇都显然有差但是腔调跟词汇都显然有差之又少,算起来也只有一位。校能够用福建话沟通的同学少 之又少,算起来也只有一位。校能够用福建话沟通的同学少会说福建话了。念书时,在学 话。

Hear the Penang Hokkien audio version:

▶ nonzuer • • • • • <u>◆</u>

Not yet houk a

几个月前,我在面子书看了

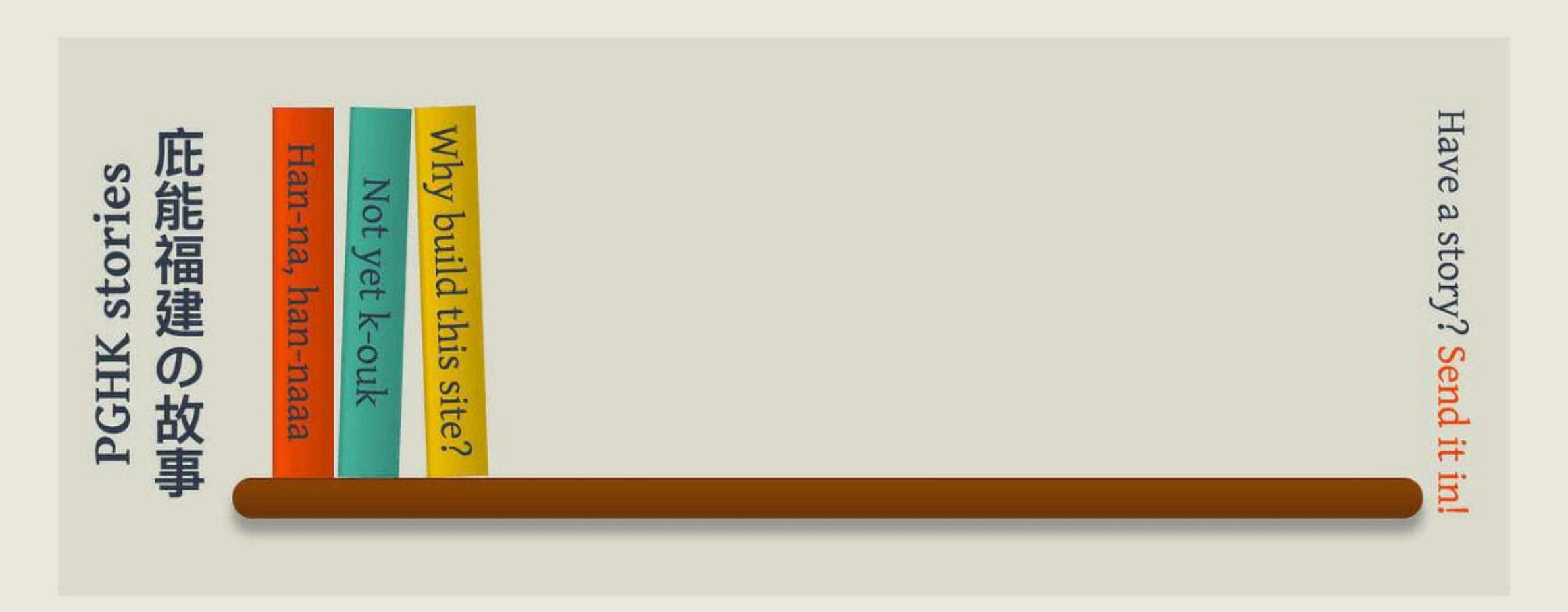
的视频,

名称

果福建話失傳了

事做,其实这是有理由的。这里。如果你觉得我是吃完

© 2016 - 2017. Words, design and code, Chen Hui Jing.



Bookshelf-style design with vertical text



This is a website dedicated to Penang Hokkien, the language of my hometown. I talk about the inspiration for the content of this site in the inaugural story post. But I am also a web developer, and so this site also serves as my CSS playground for experimenting he concept of mixed writing-modes. If t nce made sense to you, technical a



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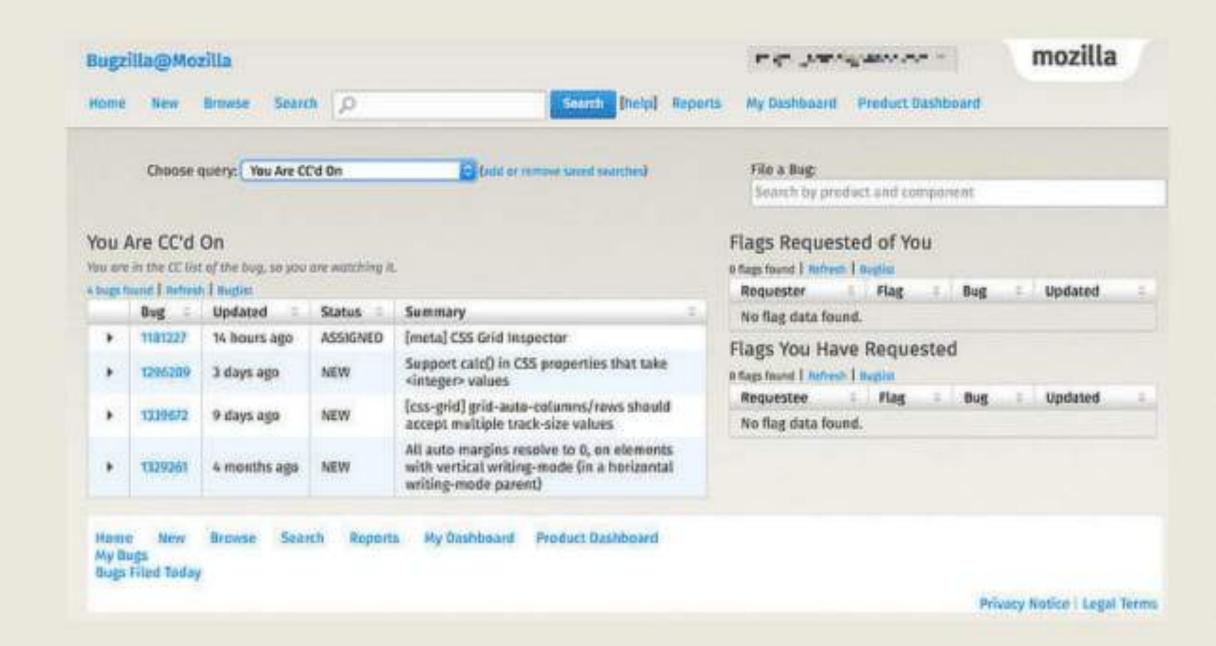
Withou sots. Everywhere.





What is Penang Hokkien?

Penang Hokkien is a variant of the Hokkien dialect that is unique to Penang, Malaysia. Hokkien originated from the southern Fujian province in the Minnan region of China. As the Chinese settlers integrated themselves into the local community, they started incorporating indigenous words into their language. Penang Hokkien is an integral part of our cultural heritage and there has been a movement to rejuvenate interest and prevent the language from dying out.



Bugzilla@Mozilla



Chromium Bugs



A long list of references

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しなお良いと思います。







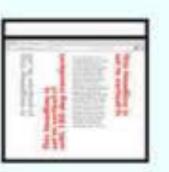
Study of Writing Modes

















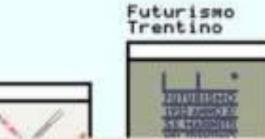


Return of the 1990s





Other Experiments







http://tategaki.github.io/awards/

Спасибо!

- http://www.chenhuijing.com
- @hj_chen
- M @hj_chen
- @ @huijing