

ROBOTO
EXTREMO
A Multi-purpose variable font

ROBOTO EXTREMO

This deck presents Roboto Extremo, the new version of the family with basic, intermediate and advanced variation capabilities.

Basics: Prototype Glyphs

!"#\$%&'()*+,-./
0123456789:;<=>?
@ABCDEFGHIJKLMNOPQRS
TUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz
{|}~

First, a limited ASCII ascii glyph was produced with the fullest range of functionality, to test performance, and the key type design quality questions raised by this sans-serif design.

Basics: Current Glyphs

[illegible]

The current glyph set is the “Google Latin Plus” set, which has the essential Latin glyphs that supply a broad typographic pallet.

Basics: Final Glyphs

[illegible]

The final glyph set will contain, the extended glyph set required for Latin, Greek and Cyrillic .

Basics: Styles

ROBOTO

Classic styling

The old look and feel of
an existing popular
family the smaller
footprint for superior
performance

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Classic styling

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Extremo styling

The old look and feel of
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ROBOTO

Extremo styling

Extremo contains the same instances as Roboto, so it can be used to replace it with higher performance due to the smaller size of the family. It can also greatly simplify user interface experiences and increase design flexibility.

Font Bureau Type Services

Basics: Design Space

Basics: Design Space

144 point

Aa Aa Aa
Aa Aa Aa
Aa Aa Aa

60 point

Aa Aa Aa
Aa Aa Aa
Aa Aa Aa

24 point

Aa Aa Aa
Aa Aa Aa
Aa Aa Aa

14 point

Aa Aa Aa
Aa Aa Aa
Aa Aa Aa

8 point

Aa Aa Aa
Aa Aa Aa
Aa Aa Aa

The style range gets wider, narrower, bolder and lighter as the optical size grows over the full range of sizes from 8 to 144, for a full range of styles at every size.

Basics: Design Space

144 point Basics: Design Space



The broadest range of style in 144 pt, contains the narrowest widths, 25% of the normal width, as well as the widest that are 151% of the normal width. These display sizes are more economical in space, as legibility is never challenged.

Basics: Design Space

144 opsz
144 point
400 weight

Aa Aa Aa Aa Aa Aa Aa

8 opsz
144 point
400 weight

Aa Aa Aa Aa Aa Aa Aa

8 opsz
8 point
25 styles

Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa

144 opsz
8 point
25 styles

Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa
Aa Aa Aa Aa Aa

The narrowest range of style in 8 pt, containing widths, 65% of the normal width, as well as the widest that are 120% of the normal width. These small text sizes are more legible, especially when compared to the 144 point designs at the same size of use.

Basics: Design Space

Basics: Design Space

Far quick brown foxe
Sweep over the lazy sleeping o
Pack my bag with six dozen jugs of w
Jabbering boulevard strangers quizzed puzzled vis
Parking attendants worried when the zebras quite juggling the sleeping
Masterful planning before the trip enabled the client, a Quaker family to all the peace
Everyone knew that the particle accelerator would not function in zero gravity but planned the experimen
Practical application of the necessary variables created a greatly simplified hierarchy over the broad range of nutritional
The typical North American composition of text does not normally involve extensive testing for legibility a
Magnification of issues into unmanageable specifications, quietly but certainly, raised the price of everything they did,
FILE EDIT PRINT VIEW ARRANGE WINDOW PAGE MORE LESS STANDINGS STATISTICS SIGN IN LOG OU
This year's winning photograph from the south of England was taken on January 2 in Queen Anne's Park, South Chouldchester, between
ECUADOR EGYPT EL SALVADOR EQUATORIAL GUINEA ETHIOPIA FIJI FINLAND FRANCE GABON GAMBIA GEORGIA GERMANY AND MAS

When applied to a deep hierarchy of one style, Regualr, over a range of sizes from The stylistic distribution of variation over the Roboto Extremo's opsz and wght ranges of the design space, provide a consistent foundation on which to define other type elements in complimentary and contrasting systems of use.

Basics: Design Space

Roboto

Bewildered boulevard strangers quizzed puzzled visitors on the way to the park where the band was going to play.
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Roboto Extremo

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When applied to a deep hierarchy of one style, Regular, over a range of sizes from 8pt to 72pt, the stylistic distribution of variation over the Roboto Extremo's opsz and wght ranges of the design space, provide a consistent foundation on which to define other type elements in complimentary and contrasting systems of use.

Progress Brief:

Basics: Design Space

- ✓ Pilot a new process, (optical size masters first, parametrics second)
- ✓ Design a broader stylistic range than Roboto
- ✓ Define system of transitions along axes with intermediate masters
- ✓ Include visually backward-compatible Roboto replacement
- ✓ Expose useful parametric ranges to compliment the stylistic range
- ✓ Define Useful Parametric Ranges to compliment the stylistic range
- ✓ Collaborate on print and web specimen development
- ✓ Extend to Greek and Cyrillic

Piloting took nearly 18 months from just being able to draw the fonts required for variables, to producing stable reproducible scripted versions via repository. This allowed us to make a very broad range of styles in Extremo. But that also required a stable and effective set of proofing tools to see all the styles and all the sizes in actual use on the web and in print. Then another year passed before a fully functional end-user product, (Sketch), made possible the adjustments and comparison of the fourth item, a backward-compatible Roboto replacement.

WITH GEORGIAN

არა ეს საქართველო, Athens ერთი ევროპასა
და აზიის მთებში. გაცილებით ძველია
გაერთიანებულ შტატებში, მაგრამ უფრო
მცირე მოსახლეობით. Nothing runs like a deer.

opsz 14, GRAD -0.26, YTAS 730, YTUC 668

WITH ARABIC

أَبَادَ اللَّهُ خَضِرَاءَهُمْ أَبْذِلْ لَصَدِيقِكَ دَمَكَ وَمَالَكَ أَتَكَلَّنَا مِنْهُ عَلَى خُصٍّ
الاتحاد قوة اتق شر الحليم اذا غضب اجتنب London & Wales
مصاحبة الكذاب فإن اضطررت إليه فلا تصدقه Hark, I hear a
voice speaking!

opsz 14, wght 314, XTRA 295, YTDE -135, YTAS 685, YTUC 661, YTLC 416

WITH HEBREW

לעולם יירשו ארץ, נצר מטעי מעשה ידי להתפאר. א.
ליהושעכל Paris משה קיבל תורה מסיני ומסרה
ישראל יש להם חלק לעולם הבא, שנאמר ועמך כולם
צדיקים. Challenging times at Ridgemont High.

opsz 14, wght 387, wdth 97, YTDE -205, YTAS 740, YTUC 624, YTLC 483

WITH CHINESE

我的征途是星辰大海 My Conquest is the Sea of
Stars, a famous sentence in Legend Of The
Galactic Heroes. 很久很久以前, 在一个遥远的星
系 A long time ago in a galaxy far, far away.