The Making of Roboto Delta

Fully Parametric AVAR2, with blended axes Weight, Width, Optical Size, Grade, Thick Stroke (XOPQ), Thin Stroke (YOPQ), Counter Width (XTRA), and their sub-axes. Spacing (SPAC) and other typographic special tratments.

Default's Character Set

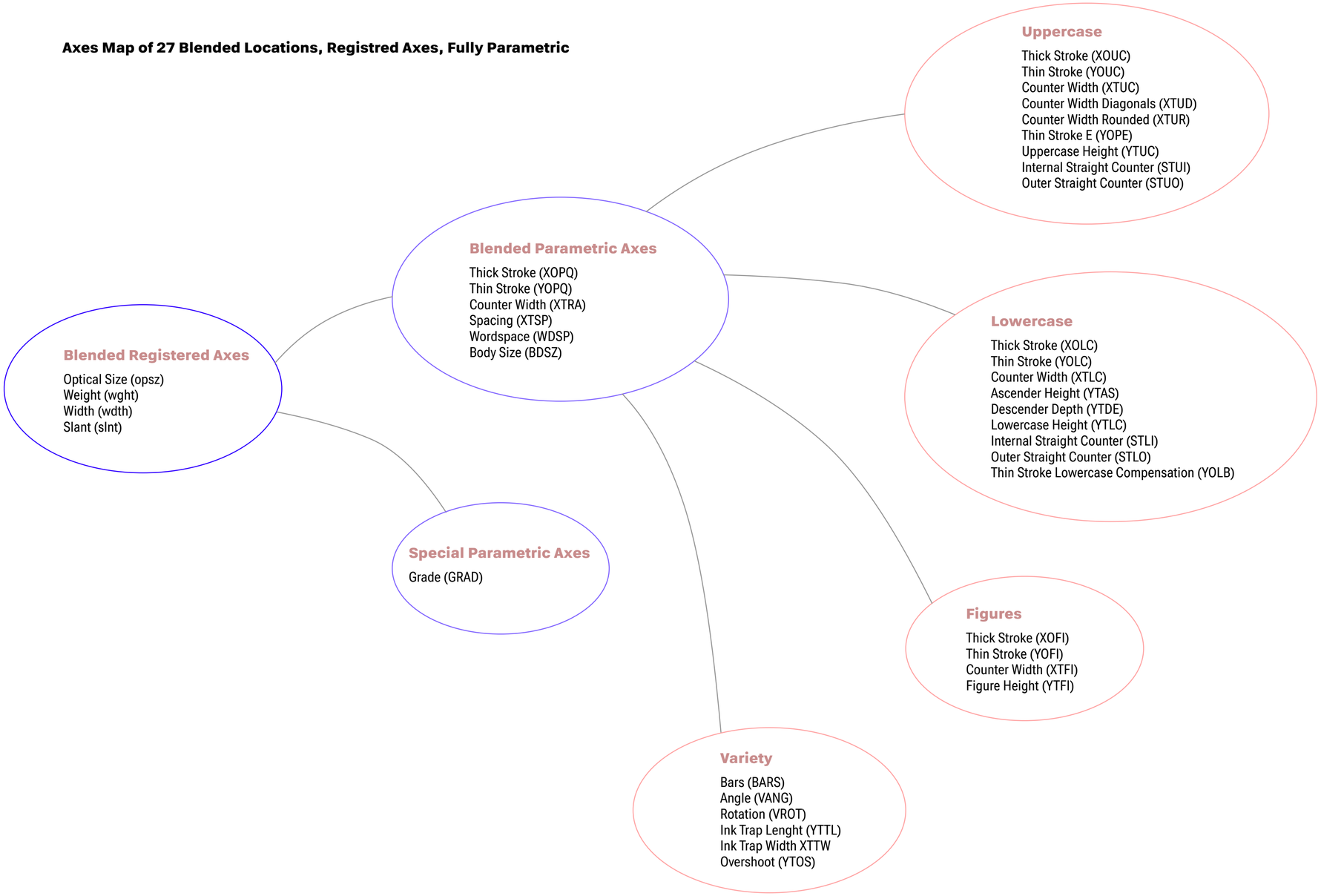
Latin, Cyrillic, Greek, with combination marks, and many parts.

27 Blended Locations, Registred Axes, Fully Parametric

Full designspace,
Optical Size 8–144
Weight 100–1000
Width 25–151

	8 pt	14 pt	144 pt
100	Roboto Delta Roboto Delta Roboto Delta	Roboto Delta Roboto Delta Roboto Delta	Roboto Delta Roboto Delta Roboto Delta
400	Roboto Delta Roboto Delta Roboto Delta	Roboto Delta Roboto Delta Roboto Delta	Roboto Delta Roboto Delta Roboto Delta
1000	**Roboto Delta** **Roboto Delta** **Roboto Delta**	**Roboto Delta** **Roboto Delta** **Roboto Delta**	**Roboto Delta** **Roboto Delta** **Roboto Delta**

Axes Map of 27 Blended Locations, Registred Axes, Fully Parametric



The main advantage of AVAR2 is the ability to blend axes, meaning you can make an axis as a combination of multiple ones.

In Roboto Delta, the user axes Optical Size, Weight, & Width are a blend of the parametric axes XOPQ, YOPQ, & XTRA, which are also a blend of sub-axes split into Uppercase, lowercase, & figures.

Additonaly there are more axes which adds more typographyc flexibility, like Spacing, Wordspace, Grade, Lowercase Height, Ascender Height, Descender Depth.

There are some axes that are enabled only to support extreme cases, like the Light Condensed Display (144 25 100), in this case STUI, STUO, STLI, & STLO helps to add the squareness needed at this location, on top of all the other parametric blends.

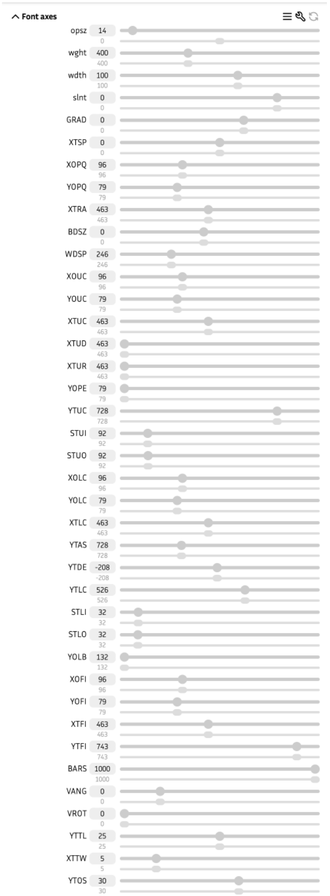
Also, in the Black Condensed Display, the diagonals need to be a little more open than the XTRA controls at that location, XTUD helps with it. At another location (144 151 400) XTUR helps with the rounded glyphs.

In the Black Display locations, YOLB helps adding more weight in the middle bars of a & e related glyphs.

Other variety of axes helps in micro typography details, like overshoots, ink traps, angle, open or close bars ($).

Default Location, 14-100-400

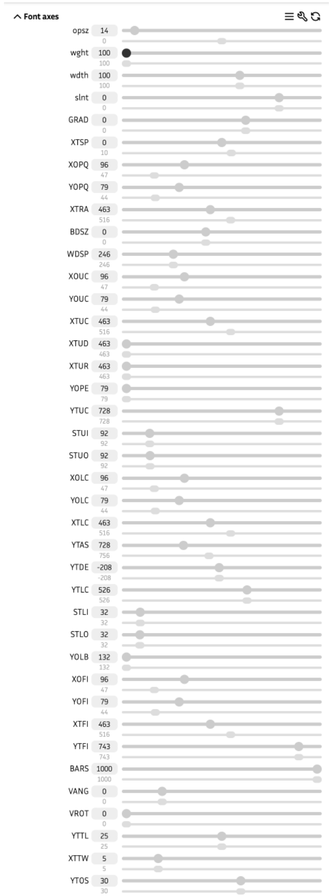
Our starting point is the Default Roboto Flex, Optical Size 14, Weight 400, Width 100.
In Fontra, on the right side we have all axes at their default value, by activating “Show effective location” we can see the blend changes in detail.



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

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

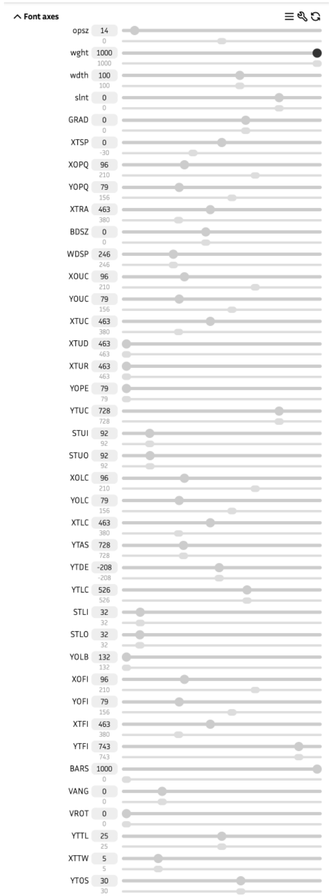
Blended Location, 14-100-100



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

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

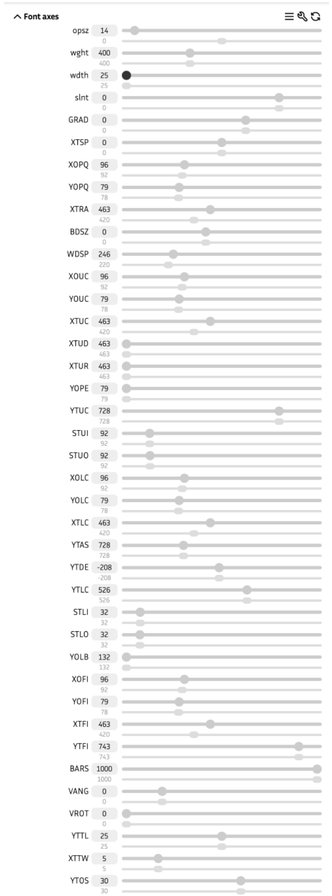
Blended Location, 14-100-1000



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

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

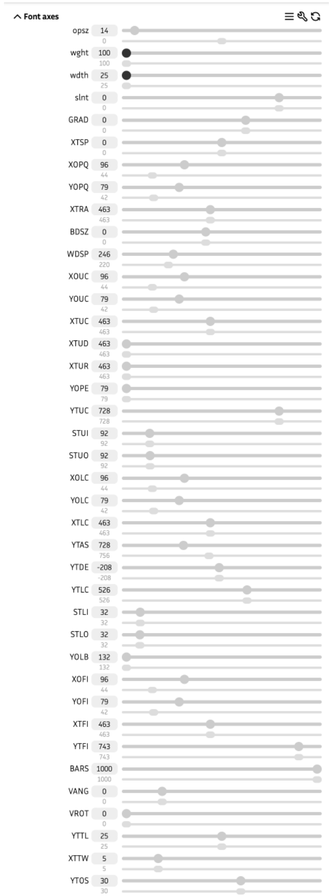
Blended Location, 14-25-400



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

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

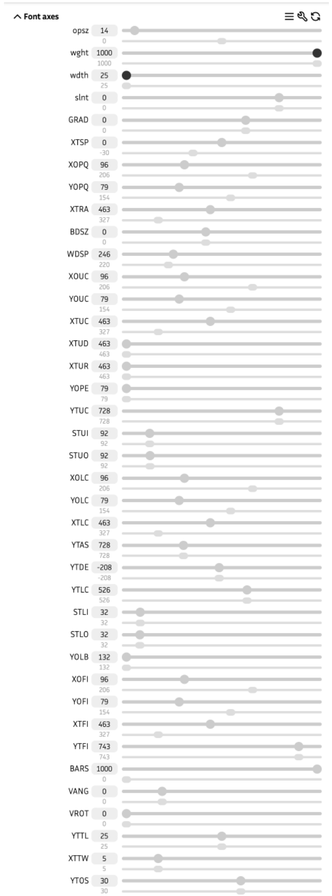
Blended Location, 14-25-100



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

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

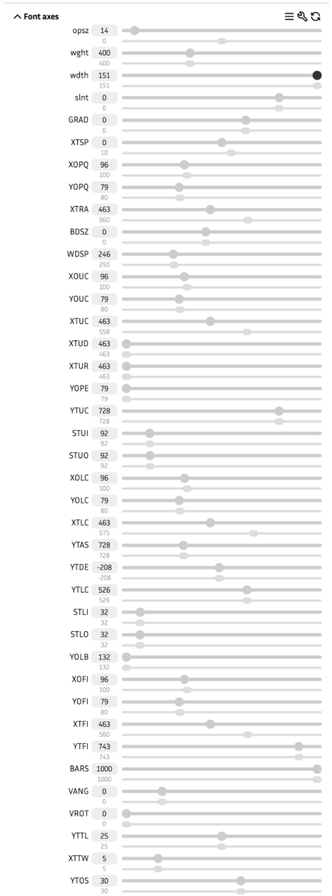
Blended Location, 14-25-1000



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

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

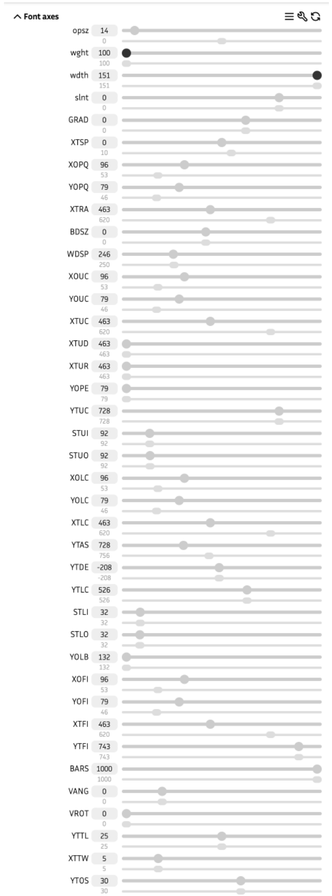
Blended Location, 14-151-400



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

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

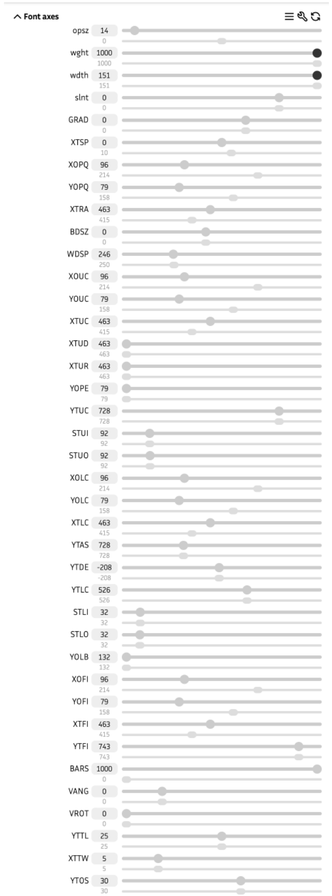
Blended Location, 14-151-100



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

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

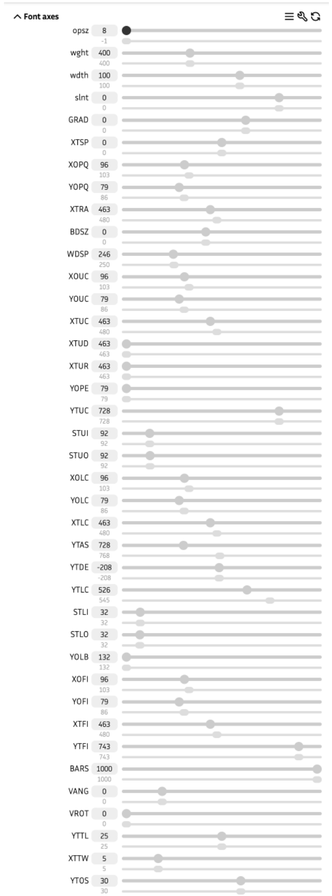
Blended Location, 14-151-1000



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

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

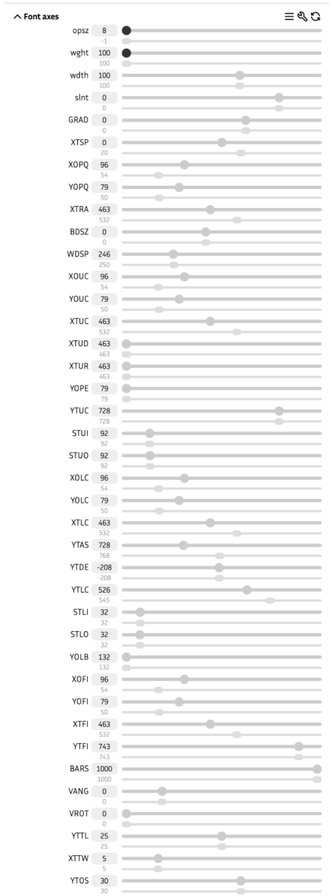
Default Location, 8-100-400



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

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

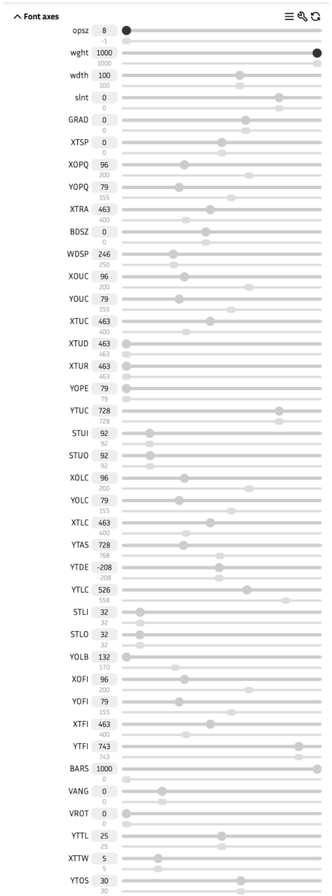
Blended Location, 8-100-100



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

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

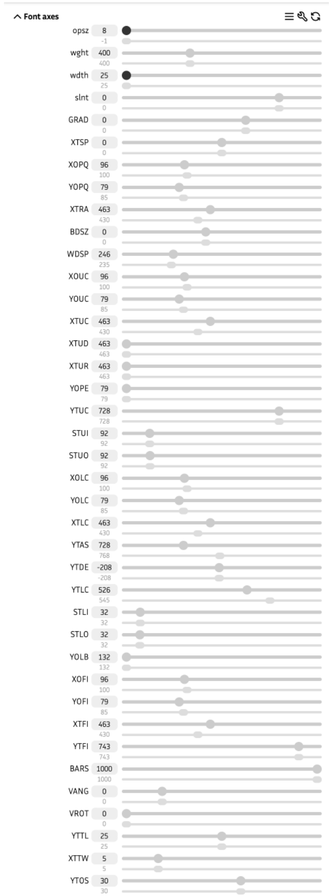
Blended Location, 8-100-1000



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

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

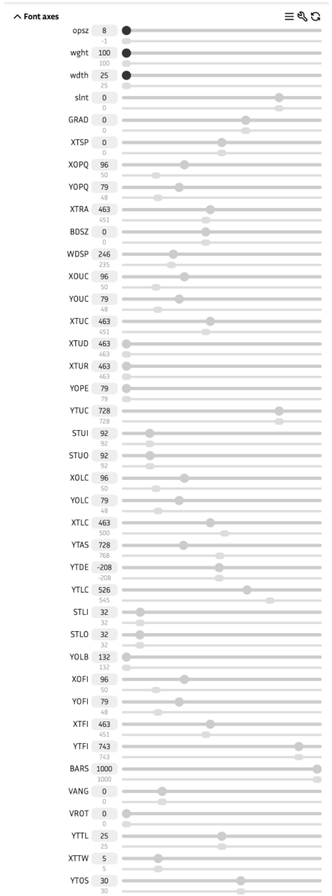
Blended Location, 8-25-400



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

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

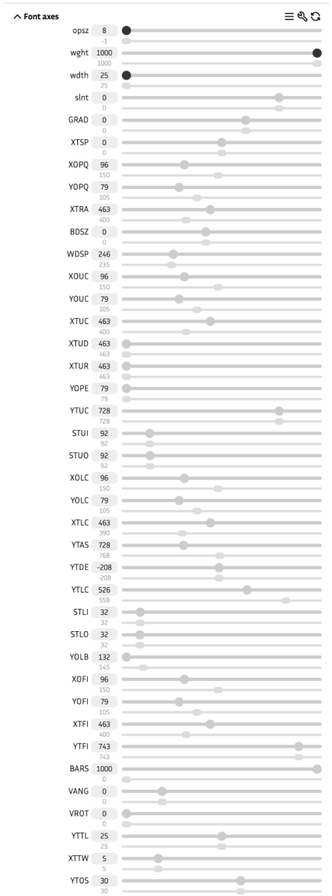
Blended Location, 8-25-100



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

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

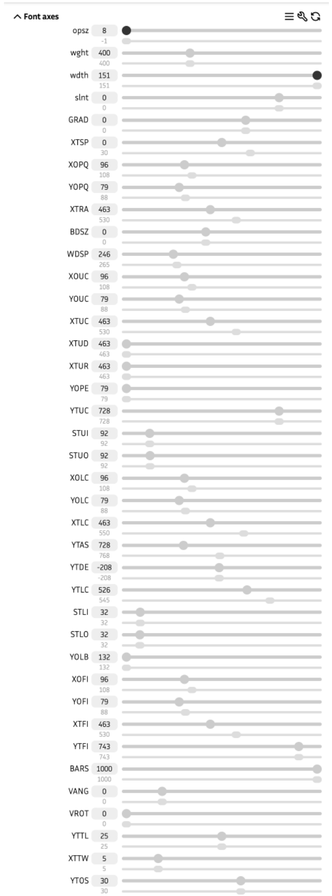
Blended Location, 14-25-1000



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

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

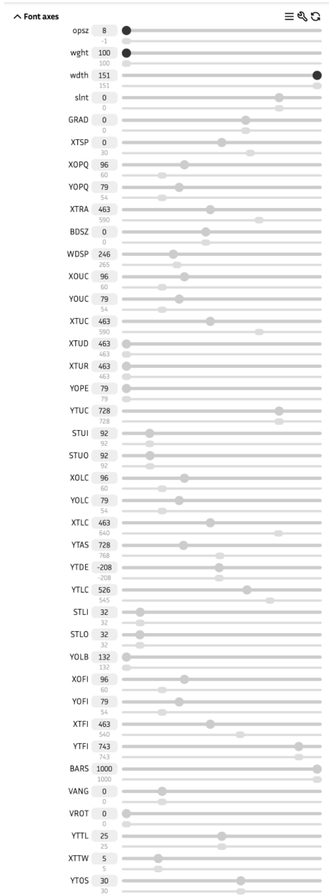
Blended Location, 8-151-400



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

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

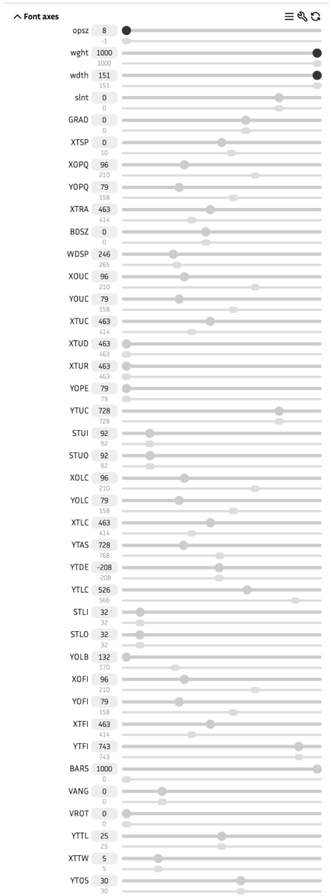
Blended Location, 8-151-100



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

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

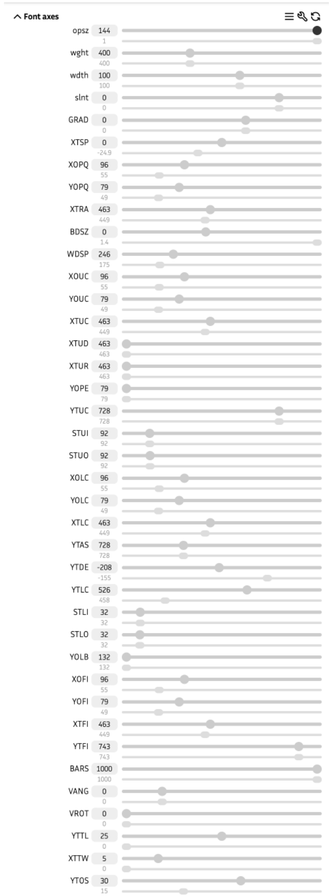
Blended Location, 8-151-1000



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

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

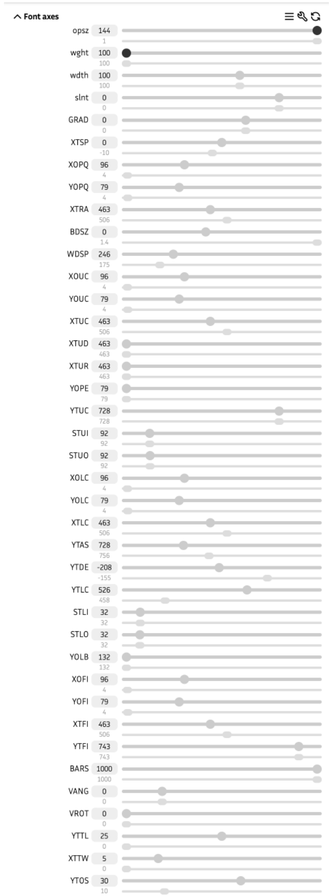
Blended Location, 144-100-400



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

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

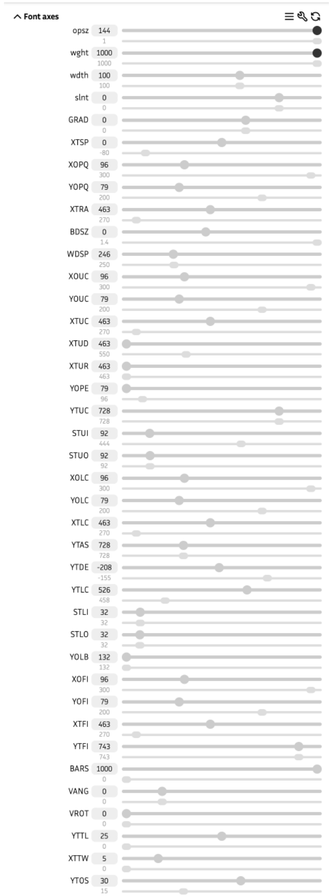
Blended Location, 144-100-100



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

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

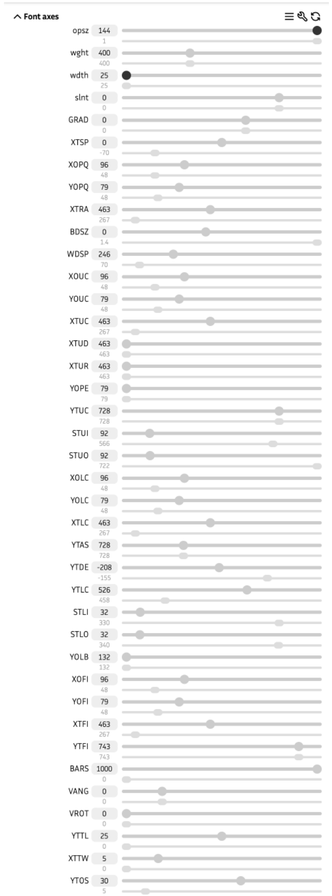
Blended Location, 144-100-1000



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

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

Blended Location, 144-25-400



ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

0123456789

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

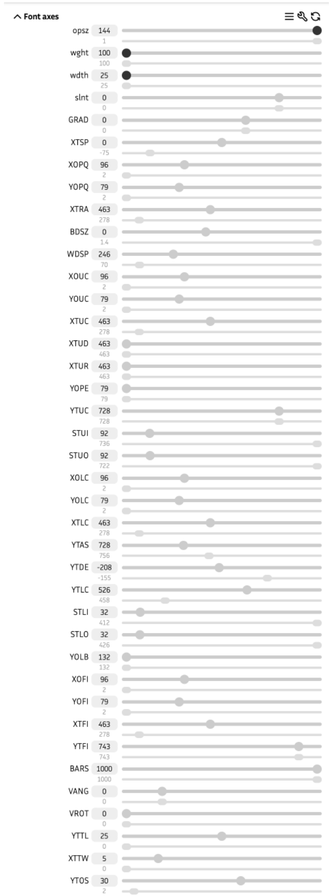
ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

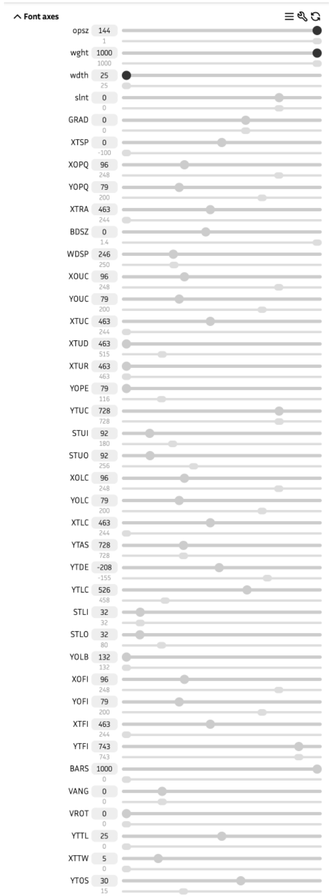
0123456789

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

Blended Location, 144-25-100



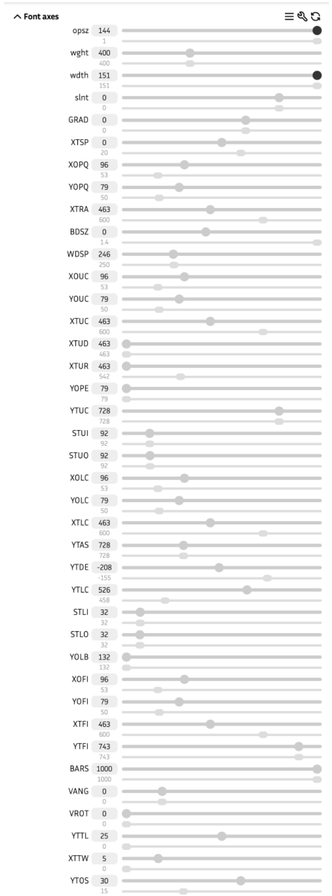
Blended Location, 144-25-1000



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

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

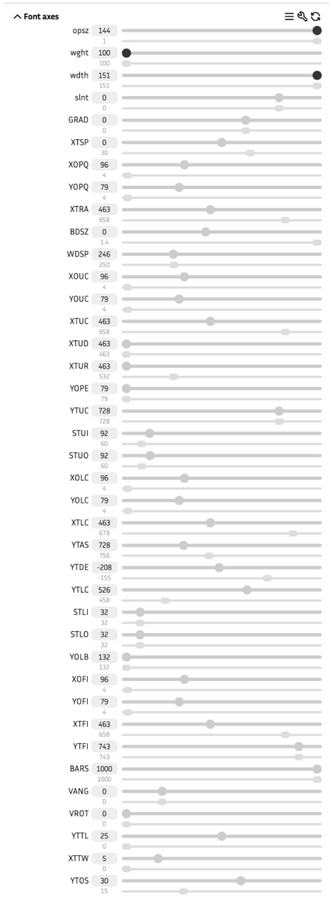
Blended Location, 144-151-400



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

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

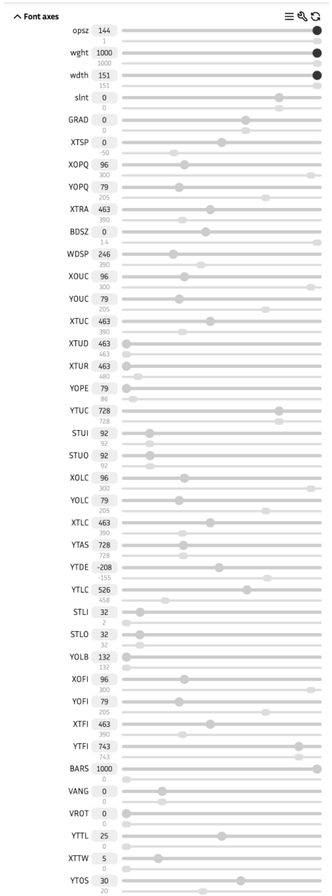
Blended Location, 144-151-100



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

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

Blended Location, 144-151-1000



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

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