The Metrics of fonts

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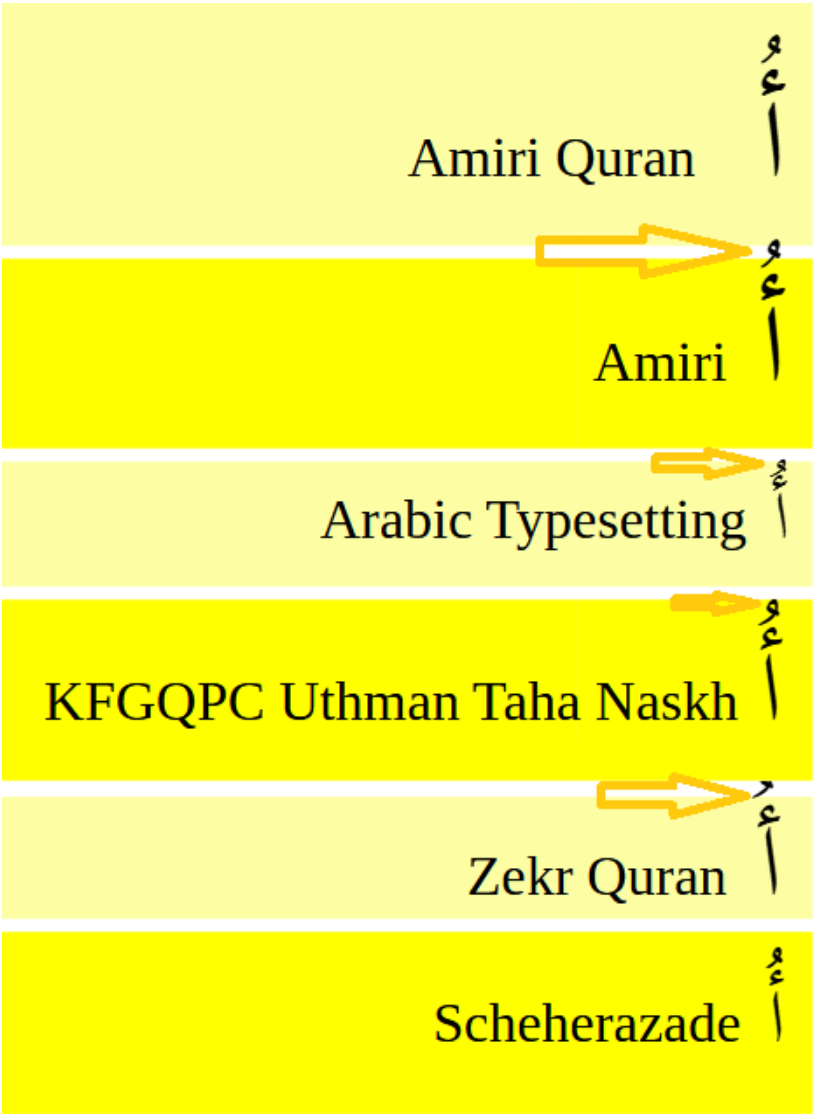
as comment for https://bugs.documentfoundation.org/show_bug.cgi?id=113102

I have some experience with font making, but I'm not any profound font specialist :-). So I'm sorry if there are some inaccuracires or mistakes in the text.

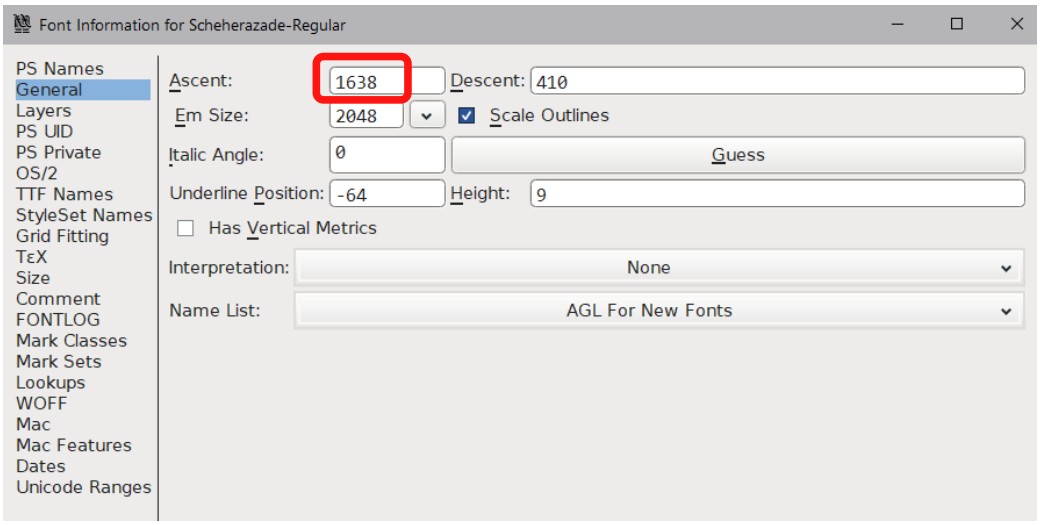
Example for hamza with damma. Every fonts in example have 20pt height. More fonts have not enought value in font metrics and it is reason the marks are cropped.

The good metrics for many characters have fonts **Amiri Quran** and **Scheherazade**. But you can see the difference, **Amiri Quran** have bigger characters with bigger margins, and **Scheherazade** has smaller characters.

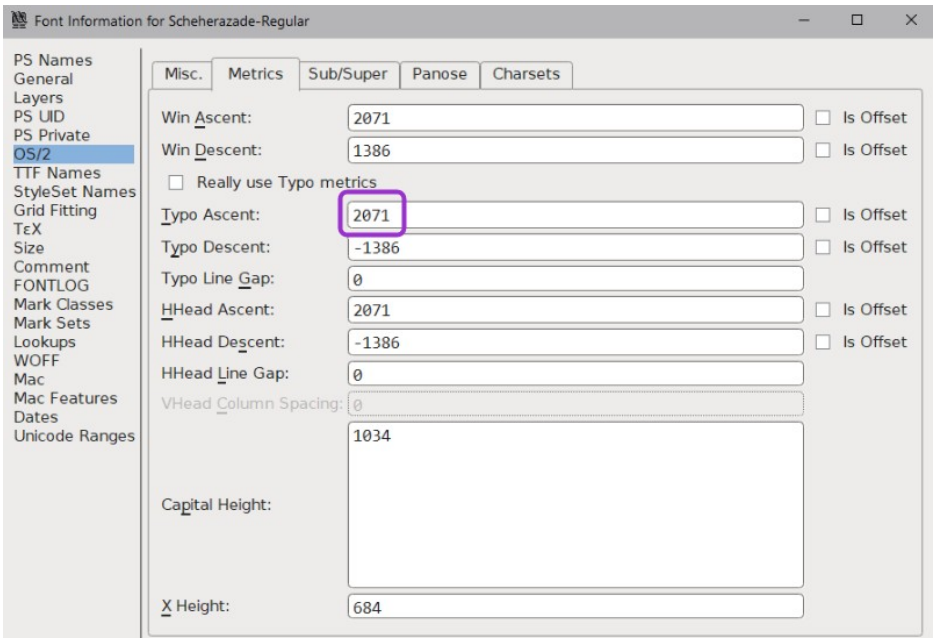


*Next prinscreens are from the font editor **FontForge**.*

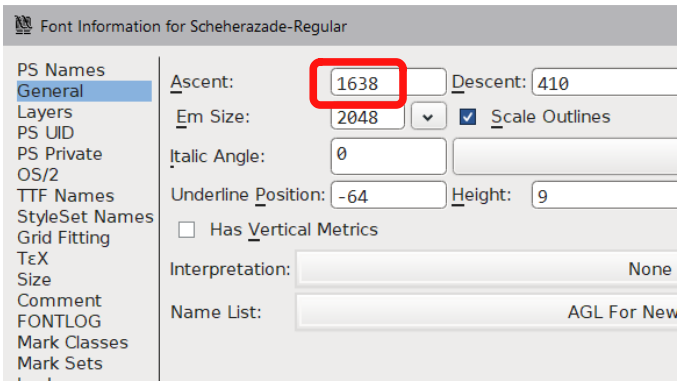
Main metrics is set in menu **Element/ Font Info/ General → Ascent**, and it is base height of character from base line in Writer. In this example for font Scheherazade it is **1638**.

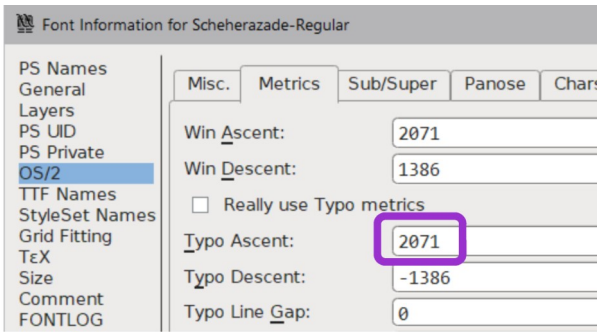


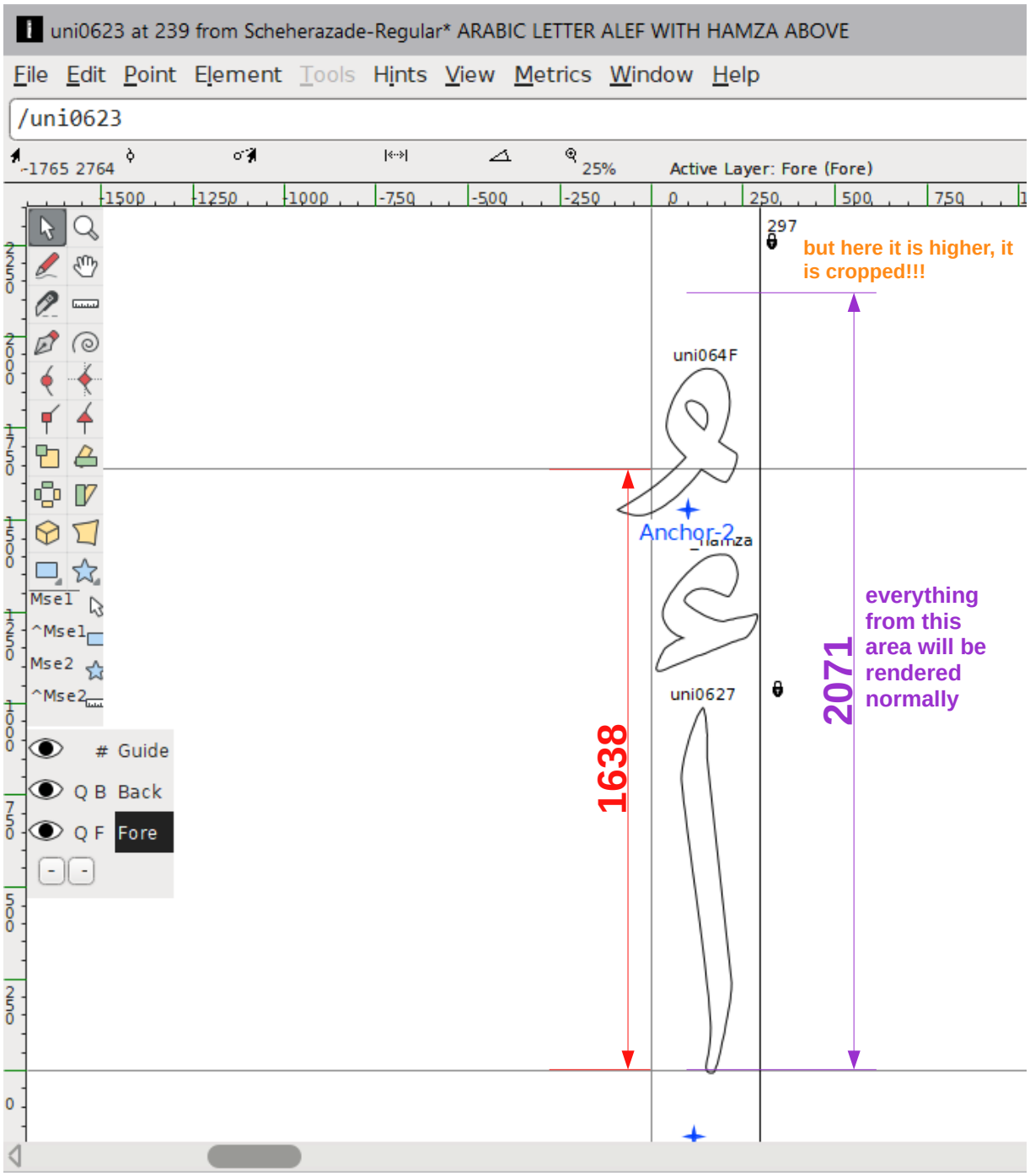
Next settings of metrics are specified in **Element/ Font Info/ OS/2 → Metrics**, and the **Typo Ascent** (here **2071**) means the prolongation of base height.



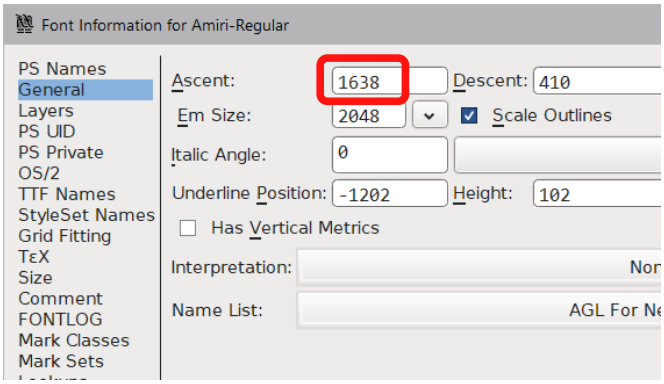
Details for **Scheherazade**.

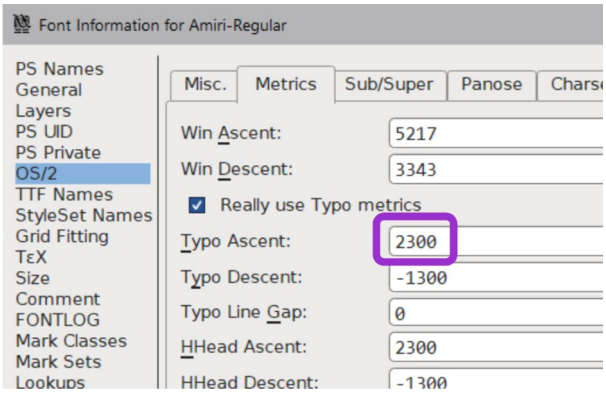


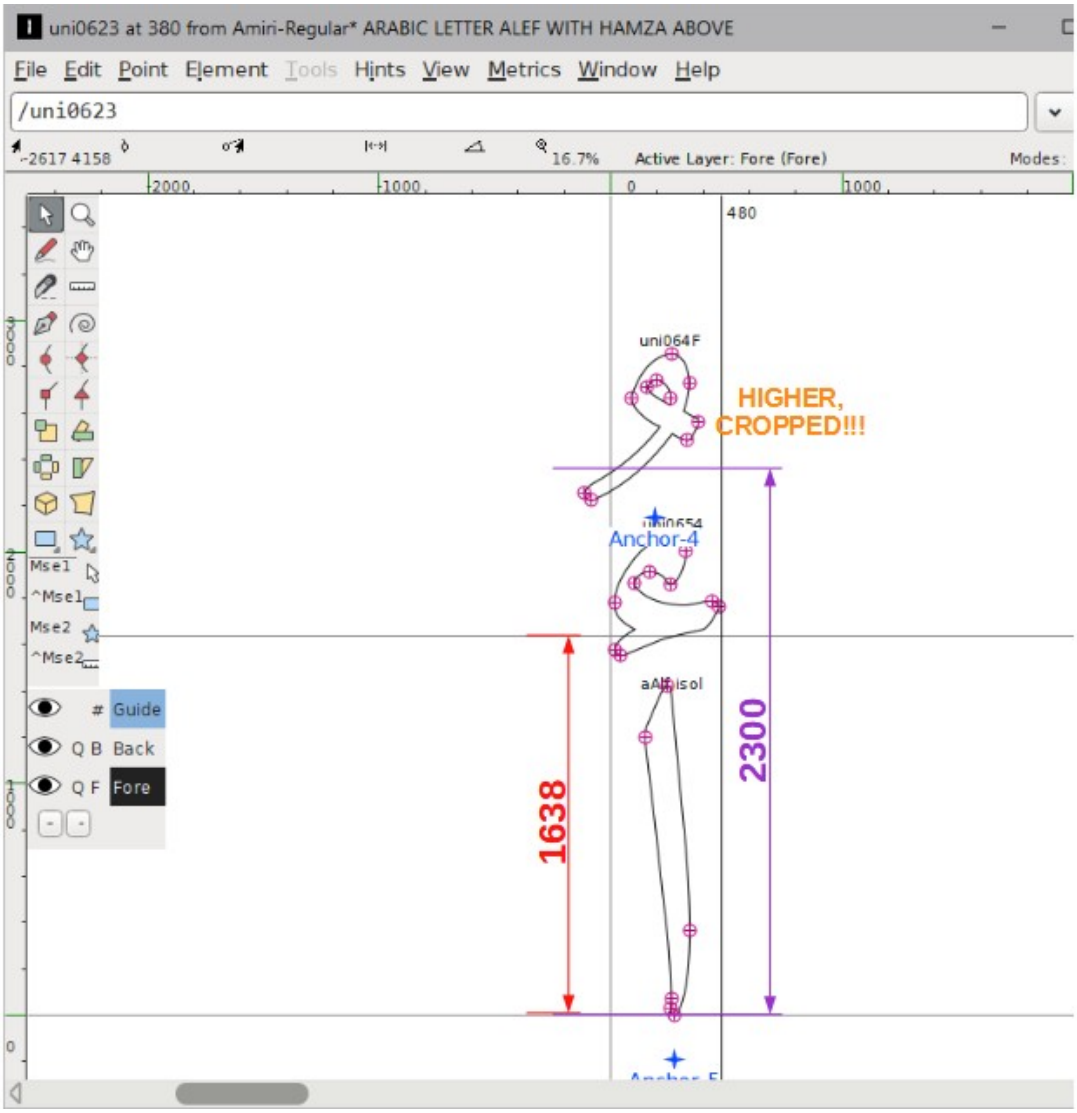




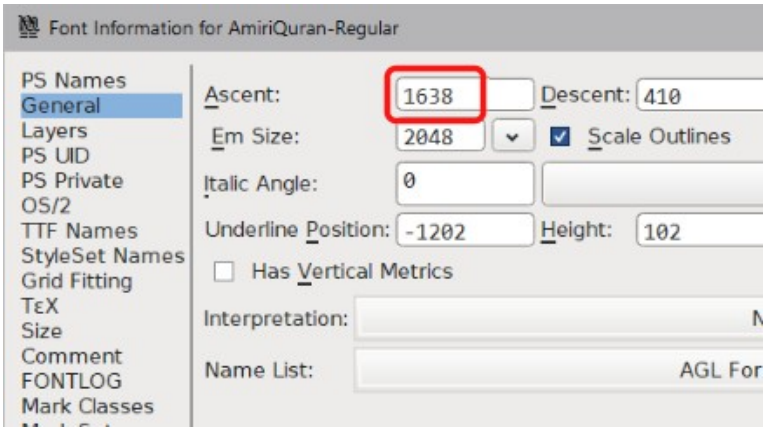
Details for **Amiri**.

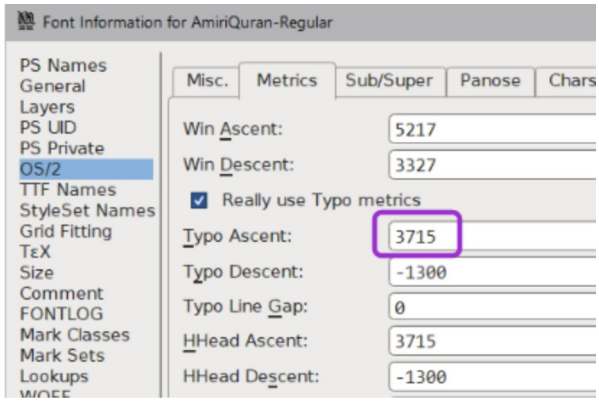


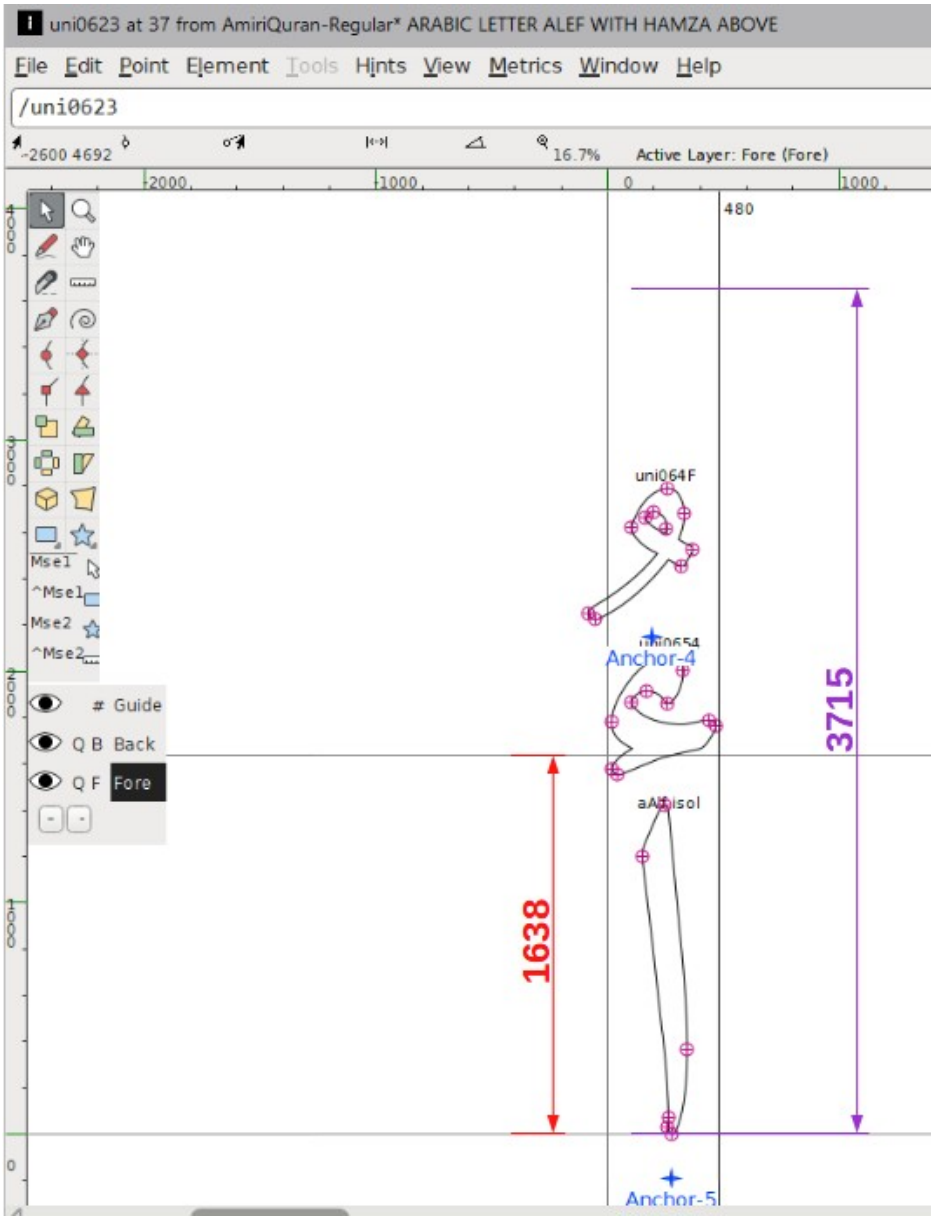




Details for **Amiri Quran**.







To make a really errorless nice calligraphic arabic font is very difficult. It is possible to make a bigger distances like in **Amiri Quran** to show all signs without cropping → but there will be big spaces between lines.

Or do a smaller consonants like in **Schererazade**, but then it need bigger font size for good reading, so it also isn't optimal.