

# Specify the Unicode range of the font added by `-ah-font-face`, and adjust the font size

In Antenna House Formatter V7.3, when specifying an additional font with `-ah-font-face`, the `'unicode-range'` attribute can be used to specify the Unicode range to which this font is to be applied. The `'size-adjust'` attribute adjusts this font size. See also `'-ah-font-face'` in the Online Manual for details.

## Specify Unicode range for fonts

The `'unicode-range'` attribute specifies Unicode range to which this font applies.

```
<!-- Example: specifying two fonts with different unicode-ranges -->
<@font-face font-family="Shakespeare-Normal"
  src="url('ILShakeFest.ttf')" />
<@font-face font-family="Shakespeare"
  src="url('ILShakeFest.ttf')"
  unicode-range="U+0040-0060" />
```

`font-family="Shakespeare-Normal,serif":` ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz

`font-family="Shakespeare,serif":` ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz.

## Change font size

Japanese characters appear larger than the alphabet because they are about the same size as English uppercase characters. The font size can be adjusted by `'size-adjust'` in `<-ah-font-face>`. Japanese font size can be reduced by 10-15% to balance the English font size.

```
<!-- Example: specifying two versions of Source Han Sans,
  one with size-adjust for balancing English text -->
<@font-face font-family="MySourceHanSans"
  src="url('SourceHanSans-Regular.otf')" />
<@font-face font-family="MySourceHanSans-adjust"
  src="url('SourceHanSans-Regular.otf')"
  size-adjust="0.85" />
```

`font-family="Arial,MySourceHanSans":` 日本語と英語が混在すると、Alphabet が小さく、日本語の文字が大きく見えます。日本語のフォントサイズを 10~15% 小さくすることで、英字とのバランスを取ることができます。

`font-family="Arial,MySourceHanSans-adjust":` 日本語を少し小さくすると、日本語と Alphabet の大きさを揃えて見やすくなります。日本語のフォントサイズを 10~15% 小さくすることで、英字とのバランスを取ることができます。