

# Font substitution 5.x

(mPDF >= 5.0)

If a font or default font is declared in mPDF (including the default stylesheet, and any CSS stylesheets etc.) the font that is actually set is determined by:

## Standard use

If called in HTML/CSS the font-family name is converted to an mPDF font-family name (see Font names in 5.x) e.g.

```
<p style="font-family: 'Trebuchet MS'; font-weight: bold;">
```

The font requested (including style) is checked to see if it is available to mPDF: set by the array `$available_unifonts*`:

1. If the font[style] exists - selected e.g. `trebuchetms[ 'B' ]`
2. If the font[nostyle] exists - selected e.g. `trebuchetms[ 'R' ]`
3. Looks up the font-family in the three arrays `sans_fonts`, `serif_fonts`, and `mono_fonts` defined in `mpdf_config.php`, in this case looking for 'trebuchetms'. If found, substitutes a font of similar type (sans-serif, serif, or mono) - the first font in the `sans_fonts`, `serif_fonts`, or `mono_fonts` arrays is used.
4. If no font has yet been selected, the first font in the array `$available_unifonts*` is selected

\* The array `$available_unifonts` is initially derived from `$this->fontdata` in the `config_fonts.php` file. (`trebuchetms[ 'B' ]` will be converted to 'trebuchetmsB' The array can be altered when certain languages are defined e.g. when using lang markup in the HTML code:

```
<p lang="ar">
```

If 'ar' (arabic) is set as the language, the default settings in `config_cp.php` define a restricted set of fonts which can be selected. In the example case, mPDF will look for `trebuchetmsB` and if not available, `trebuchetms`

## Core fonts

If core fonts only are specified by using `$mpdf = new mPDF('c')`, then all font requests will be substituted by Arial/Helvetica, Times or Courier i.e. the core PDF fonts. mPDF determines whether the requested font is a sans-serif, serif or monospace font (as above), and substitutes accordingly.

## Character (font) substitution

If some circumstances, individual characters are replaced by glyphs from another font - see character (font) substitution.

Printed on Wed 05 Aug 2015 12:05:41 GMT +0100 (DST)