

mPDF

Example 59. New mPDF v5-6 features

```
<?php
ini_set("memory_limit","64M");
include("../mPDF.php");
$mpdf=new mPDF('');

//=====================================================

$html = '
<style>
.gradient {
    border:0.1mm solid #220044;
    background-color: #f0f2ff;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
    box-shadow: 0.3em 0.3em #888888;
}
.rounded {
    border:0.1mm solid #220044;
    background-color: #f0f2ff;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
    border-radius: 2mm;
    background-clip: border-box;
}
h4 {
    font-weight: bold;
    margin-top: 1em;
    margin-bottom: 0.3em;
    margin-top: 0;
}
div.text {
    padding:0.8em;
    margin-bottom: 0.7em;
}
p { margin: 0.25em 0; }
.code {
    font-family: monospace;
    font-size: 9pt;
    background-color: #d5d5d5;
    margin: 1em 1cm;
    padding: 0 0.3cm;
    border:0.2mm solid #000088;
    box-shadow: 0.3em 0.3em #888888;
}
table {
    border:1px solid #000000;
    font-family: sans-serif;
    font-size: 10pt;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
}
td, th {
    border:1px solid #000000;
    text-align: left;
    font-weight: normal;
}
.shadowtitle {
    height: 8mm;
    background-color: #EEDDFF;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
```

```

padding: 0.8em;
padding-left: 3em;
font-family:sans;
font-size: 26pt;
font-weight: bold;
border: 0.2mm solid white;
border-radius: 0.2em;
box-shadow: 0 0 2em 0.5em rgba(0,0,255,0.9);
color: #AAAACC;
text-shadow: 0.03em 0.03em #666, 0.05em 0.05em rgba(127,127,127,0.5), -0.015em -0.015em white;
}
h3 {
margin: 3em 0 2em -15mm;
background-color: #EEDDFF;
background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
padding: 0.5em;
padding-left: 3em;
width: 50%;
font-family:sans;
font-size: 16pt;
font-weight: bold;
border-left: none;
border-radius: 0 2em 2em 0;
box-shadow: 0 0 2em 0.5em rgba(255,0,0,1);
text-shadow: 0.05em 0.04em rgba(127,127,127,0.5);
}
.css {
font-family: arial;
font-style: italic;
color: #000088;
}
table.pop {
border-collapse: collapse;
}
table.pop td {
font-family: arial;
font-size: 10px;
border: 1px solid #888888;
}
meter.pop {
margin: 3px;
}
fieldset { border: 1px solid #000000; border-radius: 5px; padding: 10px; }
div.folder {
background:
url(
mf///yH5BAAQAAAAALAAAAAAQAA4AAARe8L1EKyky67QZ1hLnjM5UUde0ECwLJoExKcppV0aCcGcmTIHEIUEqjgaORCMxIC6e0CcgUw
w6aFjsVMkkIr7g77ZKPjJPZqIyd7sJAgVGoEGv2xsBxqNgYPj/gAwXEQA7) no-repeat 4px center;
padding: 5px 0 5px 25px;
border: 1px solid #000000;
}
</style>
<body>

<div class="shadowtitle">New Features in mPDF v5.6</div>

<h3>HTML5 tags</h3>
<div class="gradient text">
<p>New tags introduced in HTML5 now have basic support in mPDF, and will thus support CSS style
references.</p>
<p>The following are treated as block elements similar to &lt;div&gt;;</p>
<p class="code">&lt;article&gt; &lt;aside&gt; &lt;details&gt; &lt;figure&gt; &lt;figcaption&gt;
&lt;footer&gt; &lt;header&gt; &lt;hgroup&gt; &lt;nav&gt; &lt;section&gt; &lt;summary&gt; </p>
<p>The following are treated as in-line elements:</p>
<p class="code">&lt;time&gt; &lt;mark&gt;</p>
<p>Mark is set by default to highlight in yellow in config.php using $defaultCSS e.g.
<mark>mark</mark></p>
<p>Progress and meter are discussed below:</p>
</div>

```

```
<h3>&lt;progress&gt;</h3>
<div class="gradient text">
<p>Progress: accepts the attributes value and max. A progress element without a value is called an
indeterminate progress bar.
Text between the opening and closing tags is not displayed.</p>
<p>CSS styles properties can be applied: display, visibility, margin, padding, border, vertical-align,
width, height and opacity.
HTML attributes width and height are supported, although not officially part of the spec.</p>
<p>Example:</p>
<p class="code">&lt;progress value="5" max="10"&gt;50%&lt;/progress&gt;</p>
```

```
<ul class="compact">
  <li>
    <label>Indeterminate</label>
    <progress max="100"></progress>
  </li>
  <li>
    <label>Progress: 0%</label>
    <progress max="10" value="0"></progress>
  </li>
  <li>
    <label>Progress: 100%</label>
    <progress max="3254" value="3254"></progress>
  </li>
  <li>
    <label>Progress: 57%</label>
    <progress max="0.7" value="0.4"></progress>
  </li>
</ul>
```

```
</div>
```

```
<h3>&lt;meter&gt;</h3>
<div class="gradient text">
<p>Meter: accepts the attributes min, max, value, optimum, low, and high.
Text between the opening and closing tags is not displayed.</p>
<p>CSS styles properties can be applied: display, visibility, margin, padding, border, vertical-align,
width, height and opacity.
HTML attributes width and height are supported, although not officially part of the spec.</p>
<p>Example:</p>
<p class="code">&lt;meter value="5" max="10" min="1" low="2" high="8"
optimum="5.6"&gt;5&lt;/meter&gt;</p>
```

```
<ul class="compact">
  <li>
    <label>Meter: full</label>
    <meter value="1"></meter>
  </li>
  <li>
    <label>Preferred usage</label>
    <meter min="1024" max="10240" low="2048" high="8192" value="1824"
optimum="1024"></meter>
  </li>
  <li>
    <label>Too much traffic</label>
    <meter min="1024" max="10240" low="2048" high="8192" value="6216"
optimum="1024"></meter>
  </li>
  <li>
    <label>Much too much traffic</label>
    <meter min="1024" max="10240" low="2048" high="8192" value="9216"
optimum="1024"></meter>
  </li>
</ul>
</div>
```

```
<div class="gradient text">
<h4>Custom appearances for &lt;meter&gt; and &lt;progress&gt;</h4>
<p>Meter (and to a lesser extent progress) can be used with custom appearances e.g. by using optimum
```

to display the average, and low/high to indicate 90th centiles</p>

```
<p>Custom appearances can be written by editing the script in classes/meter.php - Use a custom attribute of type="anyname" which is passed to the class as a variable e.g.</p>
<p class="code">&lt;meter type="2" value="612.7" optimum="580.4" min="517.0 " max="642.7" low="542" high="600"&gt;612.7&lt;/meter&gt;</p>
</div>
```

```
<table class="pop">
<tbody>
<tr>
<td><p><b>Domain</b></p></td>
<td><p><b>Indicator</b></p></td>
<td><p><b>LHB</b></p><p><b>number</b></p></td>
<td><p><b>LHB</b></p><p><b>Indicator</b></p>
<p><b>value</b></p>
</td>
<td><p><b>Wales</b></p><p><b>average</b></p>
</td>
<td><p><b>Wales range</b></p></td>
<td><p><b>Comparison</b></p></td>
</tr>
```

```
<tr>
<td rowspan="4"><p><b>Deaths</b></p></td>
<td><p>Death Rates per 100,000 population</p></td>
<td><p>3046</p></td>
<td><p><b>612.7</b><b></b></p></td>
<td><p>580.4</p></td>
<td><p>517.0 - 642.7</p></td>
<td><meter class="pop" type="2" value="612.7" optimum="580.4" min="517.0 " max="642.7" low="542" high="600">612.7</meter></td>
</tr>
```

```
<tr>
<td><p>Death Rates per 100,000 from cancer</p></td>
<td><p>789</p></td>
<td><p><b>178.2</b><b></b></p></td>
<td><p>172.7</p></td>
<td><p>159.5 - 182.2</p></td>
<td><meter class="pop" type="2" value="178.2" optimum="172.7" min="159.5 " max="182.2" low="162" high="180">178.2</meter></td>
</tr>
```

```
<tr>
<td><p>Death Rates per 100,000 from respiratory disease</p></td>
<td><p>505</p></td>
<td><p><b>60.5</b><b></b></p></td>
<td><p>72.11</p></td>
<td><p>54.41 - 95.5</p></td>
<td><meter class="pop" type="2" value="60.5" optimum="72.11" min="54.41 " max="95.5" low="68" high="80">60.5</meter></td>
</tr>
```

```
<tr>
<td><p>Death Rates per 100,000 from cardiovascular disease</p></td>
<td><p>913</p></td>
<td><p><b>178.2</b><b></b></p></td>
<td><p>165.0</p></td>
<td><p>151.8 - 179.9</p></td>
<td><meter class="pop" type="2" value="160.2" optimum="165" min="151.8 " max="179.9" low="158" high="170">160.2</meter></td>
</tr>
```

```
</tbody>
</table>
```

<h3>Fieldset and Legend</h3>

```
<form>
  <fieldset>
    <legend>Fieldset and legend</legend>
    <p>Support for fieldset and legend was introduced in mPDF v5.5. Consider it experimental!</p>
    <label for="name">Username:</label>
    <input type="text" name="name" id="name" />
    <br />
    <label for="mail">E-mail:</label>
    <input type="text" name="mail" id="mail" />
  </fieldset>
</form>
```

CSS styles

```
<div class="gradient text">
<h4></h4>
<p><span class="css">min-height</span>, <span class="css">min-width</span>, <span class="css">max-
height</span> and <span class="css">max-width</span> are now supported in CSS style sheets for
&lt;img&gt; (only).</p>
<p><span class="css">background: url(data:image/gif;base64,...)</span> is now supported in CSS style
sheets (gif, png and jpeg).</p>
</div>
```

```
<div class="folder">This &lt;div&gt; has the folder icon set as an embedded image in the CSS</div>
<p class="code">div.folder {
  background:
url(
mf///yH5BAAAAAALAAAAAAQAA4AAARe8L1EKyky67QZ1hLnjM5UUde0ECwLJoExKcppV0aCcGcmTIHEIUEqjga0RCMxIC6e0CcgUw
w6aFjsVMkkIr7g77ZKPJjPZqIyd7sJAgVGoEGv2xsBxqNgYPj/gAwXEQA7) no-repeat 4px center;
  padding: 5px 0 5px 25px;
  border: 1px solid #000000;
}
</p>
```

Arabic text

```
<br /><br />
```

```
<div class="gradient text">
```

The script handling Arabic text (RTL) was rewritten in mPDF 5.5 with improved support for Pashto/Sindhi/Urdu/Kurdish, especially for joining characters and added new presentation forms.

Some characters in Pashto/Sindhi/Urdu/Kurdish do not have Unicode values for the final/initial/medial forms of the characters. However, some fonts include glyphs for these characters "un-mapped" to Unicode (including XB Zar and XB Riyaz, which are bundled with mPDF).

By editing config_fonts.php and adding:

```
<p class="code">
  \unAGlyphs\ => true,
</p>
```

to appropriate fonts, this will force mPDF to use unmapped glyphs. It requires the font file to include a Format 2.0 POST table which references the glyphs by name as e.g. uni067C.med or uni067C.medi

XB Riyaz, XB Zar, Arabic Typesetting (MS), Arial (MS) all contain this table. NB If you want to know if a font file is suitable, you can open a .ttf file in a text editor and search for "uni067C.med" - if it exists, it may work!

Using "unAGlyphs" forces subsetting of fonts, and will not work with SIP/SMP fonts (using characters beyond the Unicode BMP Plane).

mPDF maps these characters to part of the Private Use Area allocated by Unicode U+F500-F7FF. This could interfere with correct use

if the font already utilises these codes (unlikely).

```
</div>
```

```
<pagebreak />
```

Using Arial MS font:

```
';
//=====
```

```

// Test for all Arabic characters which may need joining
//=====
$mpdf->cacheTables = true;
$html .= '
<style>
.script-arabic { font-family: arial; font-size: 22pt; direction: rtl; padding: 0.1em 0.5em; text-align: center; }
.joined { color: #888888; }
</style>
<div dir="ltr">
';

$ranges = array(0=>array(0x0621, 0x063a), 1=>array(0x0640, 0x064a), 2=>array(0x0671, 0x0672), 3=>array(0x0674, 0x06d3));

foreach($ranges AS $r) {
    $html .= '<table border="1" style="border-collapse: collapse">';
    $html .= '<thead><tr>';
    $html .= '<td></td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Isolated</td>';
    $html .= '<td></td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Final</td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Medial</td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Initial</td>';
    $html .= '<td></td>';
    $html .= '</tr></thead><tbody>';
    for($n=$r[0];$n<=$r[1];$n++) {

        $html .= '<tr>';
        $html .= '<td>U+0'.strtoupper(dechex($n)) . '</td>';

        $html .= '<td class="script-arabic">&#x0'.dechex($n) . '</td>';
        $html .= '<td class="script-arabic joined">&#x626;&#x0'.dechex($n) . '</td>';
        $html .= '<td class="script-arabic">&#x640;&#x0'.dechex($n) . '</td>';
        $html .= '<td class="script-arabic">&#x640;&#x0'.dechex($n) . '&#x640;</td>';
        $html .= '<td class="script-arabic">&#x0'.dechex($n) . '&#x640;</td>';
        $html .= '<td class="script-arabic joined">&#x0'.dechex($n) . '&#x647;</td>';

        $html .= '</tr>';
    }
    $html .= '</tbody></table>';
$html .= '<br />';
}

$html .= '</div>';
//=====

$html .= '
<br />
';

//=====
if ($_REQUEST['html']) { echo $html; exit; }
if ($_REQUEST['source']) {
    $file = __FILE__;
    header("Content-Type: text/plain");
    header("Content-Length: ". filesize($file));
    header("Content-Disposition: attachment; filename='".$file."'");
    readfile($file);
    exit;
}

//=====

$mpdf->WriteHTML($html);

```

```
// OUTPUT  
$mpdf->Output(); exit;
```

```
//=====  
//=====  
//=====  
//=====
```

```
?>
```