



## DINGBATS

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## WIN-1252

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ÀÁÂÃÄÅÆÇÈÉÊËÌÍÎÏÐÑÒÓÔÕÖØÙÚÛÜÝŸ  
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# Bidirectional text

Text alignment, unless specified, is neutral and therefore dictated by the 'direction' of the paragraph.

Text is analysed at the end of every block element (div, p, td). If the text contains RTL characters, those characters and words are reversed according to the Unicode BiDirectional algorithm e.g.

وإدان البييت الابيض "ابشدة" تفجير بير ايلات فيم اعربت وزارة

To set the 'directionality' of the whole document e.g. to reverse default alignment, tables, lists etc. you can set the dir attribute or the direction CSS property on the HTML or BODY tag to 'rtl' e.g.

```
<body style="direction: rtl">
```

```
<body dir="rtl">
```

```
or you can use $mpdf->SetDirectionality('rtl');
```

The document now has a baseline direction; this determines the:

- text-alignment in blocks for which text-align has not been specifically set
- layout of mirrored page-margins, columns, ToC and Indexes, headers and footers
- base direction can be set by any of:
  - \$mpdf->SetDirectionality('rtl');
  - <html dir="rtl" or style="direction: rtl;">
  - <body dir="rtl" or style="direction: rtl;">

Base direction is an inherited CSS property, so will affect all content, unless...

- direction can be set for all HTML block elements e.g. <DIV><P><TABLE><TD><UL><LI> etc using
  - CSS property < style="direction: rtl;">

### NOTE

- block/table margins/paddings are NOT reversed by direction
  - NB mPDF <5.1 reversed the margins/paddings for blocks when RTL set.
- language (either CSS "lang", using Autofont, or through initial set-up e.g. \$mpdf = new mPDF('ar') ) no longer affects direction in any way.
  - config\_cp.php has been changed as a result; any values of "dir" set here are now ineffective
- default text-align is now as per CSS spec: "a nameless value which is dependent on direction"
  - NB default text-align removed from default stylesheet in config.php
- once text-align is specified, it is respected and inherited
  - NB mPDF <5.1 reversed the text-align property for all blocks when RTL set.
- the configurable value is deprecated, as it is no longer required
- the algorithm for handling bidirectional text was substantially re-written/improved in mPDF v 6.0





NB mPDF <5.1 reversed the margins/paddings for blocks when RTL set.

- language (either CSS "lang", using Autofont, or through initial set-up e.g. `$mpdf = new mPDF('ar')`) no longer affects direction in any way.

- `config_cp.php` has been changed as a result; any values of "dir" set here are now ineffective

- default text-align is now as per CSS spec: "a nameless value which is dependent on direction"

NB default text-align removed from default stylesheet in `config.php`

- once text-align is specified, it is respected and inherited

NB mPDF <5.1 reversed the text-align property for all blocks when RTL set.

- the configurable value is deprecated, as it is no longer required

- the algorithm for handling bidirectional text was substantially re-written/improved in mPDF v 6.0

# Tables

:Tables are automatically transposed when the direction is rtl

| □□□□□□□□                                    | □□□□□□□□                                    | □□□□□□□□      |
|---|---|---------------|
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| الرئيس                                      | الرئيس                                      | □□□           |
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# Lists

Lists will automatically reverse as well (note the use of list-style to set numbering):

١. قال الرئيس الامريكى
٢. جورج بوش فني جورج بوش فني جورج بوش فني جورج بوش فني جورج بوش فني
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  - حديت متلفز
  - فني الذكري الرابعة
  - للغزو الامريكى
٣. للعراق ان الاولوية حالي
٤. لاعادة الامن للعراق

