rinohtype

Reference Guide

Release 0.5.2

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rinoh 1

Render a structured document to PDF.

```
usage: rinoh [-h] [-f FORMAT] [-o OPTION=VALUE] [-t NAME or FILENAME]
             [-s NAME or FILENAME] [-O FILENAME or DIRECTORY] [-p PAPER] [-i]
             [--list-templates] [--list-stylesheets] [--list-fonts
[FILENAME]]
             [--list-formats] [--list-options FRONTEND] [--version] [--docs]
             [input]
```

input
the document to render

-h, **--help**
show this help message and exit

-f <format>, **--format** <format>
the format of the input file (default: autodetect)

-o <option=value>, **--option** <option=value>
options to be passed to the input file reader

-t <name or filename>, **--template** <name or filename>
the document template or template configuration file to use (default: article)

-s <name or filename>, **--stylesheet** <name or filename>
the style sheet used to style the document elements (default: the template's default)

-O <filename or directory>, **--output** <filename or directory>
write the PDF output to FILENAME or to an existing DIRECTORY with a filename derived from the input filename (default: the current working directory)

-p <paper>, **--paper** <paper>
the paper size to render to (default: the template's default)

-i, **--install-resources**
automatically install missing resources (fonts, templates, style sheets) from PyPI

--list-templates
list the installed document templates and exit

--list-stylesheets
list the installed style sheets and exit

--list-fonts <filename>
list the installed fonts or, if FILENAME is given, write a PDF file displaying all the fonts

--list-formats
list the supported input formats and exit

--list-options <frontend>
list the options supported by the given frontend and exit

--version
show program's version number and exit

--docs
open the online documentation in the default browser

Sphinx Builder 2

rinoh.frontent.sphinx is a Sphinx extension module. It provides a Sphinx builder with the name rinoh. The builder recognizes the following conf.py options. Of these, only rinoh_documents (or latex_documents) is required.

`rinoh_documents`

Determines which PDF documents to build. Its format is a list of dictionaries, one for each document to be generated. The supported keys for these dictionaries are listed below. Two of them are required:

doc (required)
String that specifies the name of the master document (typically index).

target (required)
The name of the target PDF file without the extension.

The following keys allow overriding the content included on the document's title page and page headers/footers (depending on the template and its configuration). The values for text content can be plain text or StyledText.

logo (no default)
Path (absolute or relative to the location of the conf.py file) to an image file, typically included on the title page.

title (default: "project documentation")
The title of the document.

subtitle (default: "Release release")
Subtitle of the document.

author (default: "author")
The document's author.

date (default: determined from today and today_fmt)
The document (build) date.

The remaining keys control what is included in the document and the document template (configuration) to use.

toctree_only (default: False)
Must be True or False. If true, the document itself is not included in the output, only the documents referenced by it via TOC trees.

domain_indices (default: True)
If true, generate domain-specific indices in addition to the general index. It is equivalent to the html_domain_indices and latex_domain_indices configuration variables.

template (default: Book)
Determines the template used to render the document. It takes:

- the filename of a template configuration file,
- a TemplateConfiguration instance,
- the name of an installed template (see rinoh --list-templates), or

- a DocumentTemplate subclass

rinoh_documents will also accept other keys than those listed above. These items will be available as document metadata and can be used in a custom document template.
Example:

```
rinoh_documents = [
    dict(doc='index', target='manual', toctree_only=False,
         template='manual.rtt', logo='logo.pdf'),
    dict(doc='ref', target='reference', title='Reference Manual',
         template='reference.rtt', stamp='DRAFT'),
]
```

rinoh_targets
Limits rendering to the specified set of targets. This variable accepts either a list of strings or a string containing comma-separated values. The target names should match those set in rinoh_documents.
To render only the 'manual' target, you can set the following in conf.py:

```
rinoh_targets = ['manual']
```

The same can be achieved from the command line using the by using the string form with sphinx-build -D:

```
spinx-build -b rinoh -D rinoh_targets="manual" source build
```

2.1 Legacy Configuration Variables

The configuration variables below are no longer supported. Instead, their functionality can now be configured per document in rinoh_documents.

rinoh_template
This configuration variable is no longer supported since the document template can be specified in rinoh_documents entries.

rinoh_stylesheet
This configuration variable is no longer supported since it is not obvious which style sheet will be used when the template configuration also specifies a style sheet. Please specify the style sheet to use in your template configuration file:

```
[TEMPLATE_CONFIGURATION]
name = My Book
template = book
stylesheet = my_stylesheet.rts
```

rinoh_paper_size
This configuration variable is no longer supported since it was not obvious which paper size was being used when the template configuration (rinoh_template) also specified a paper size. Please specify the paper_size to use in your template configuration file:

```
[TEMPLATE_CONFIGURATION]
name = My Book
template = book

[VARIABLES]
paper_size = A5
```

`rinoh_logo`
: This configuration variable is no longer supported since the logo can be specified in the rinoh_documents entries.

`rinoh_domain_indices`
: This configuration variable is no longer supported since the domain_indices can be specified in the rinoh_documents entries.

`rinoh_metadata`
: This configuration variable is no longer supported. Metadata entries can now be added to rinoh_documents entries.

Style Sheets 3

3.1 Included Style Sheets

These style sheets are included with rinohtype:

rinoh.stylesheets.**sphinx**
: Mostly a copy of the LaTeX style included with Sphinx
Entry point name: sphinx

rinoh.stylesheets.**sphinx_article**
: The Sphinx stylesheet adjusted for the article template
Entry point name: sphinx_article

rinoh.stylesheets.**sphinx_base14**
: The Sphinx stylesheet, but using the fonts from the PDF core set (yielding smaller PDF files)
Entry point name: sphinx_base14

Additional style sheets can be installed from PyPI. The installed style sheets can be listed using rinoh --list-stylesheets.

3.2 Default Matcher

The default matcher provides the selectors for the styles used in the standard style sheets.

rinoh.stylesheets.**matcher**
: The default matcher defines the following styles
  - title page rule: HorizontalRuleStyle
  - title page logo: FlowableStyle
  - title page title: ParagraphStyle
  - title page subtitle: ParagraphStyle
  - title page author: ParagraphStyle
  - title page date: ParagraphStyle
  - title page extra: ParagraphStyle
  - front matter section title: ParagraphStyle
  - body matter chapter label: ParagraphStyle
  - body matter chapter number: TextStyle
  - body matter chapter title: ParagraphStyle
  - fallback: TextStyle
  - italic: TextStyle

- bold: TextStyle
- monospaced: TextStyle
- emphasis: TextStyle
- strong: TextStyle
- literal emphasis: TextStyle
- literal strong: TextStyle
- inline math: TextStyle
- quote: TextStyle
- file path: TextStyle
- keystrokes: TextStyle
- regular expression: TextStyle
- code with variable: TextStyle
- mail header: TextStyle
- MIME type: TextStyle
- newsgroup: TextStyle
- command: TextStyle
- make variable: TextStyle
- program: TextStyle
- man page: TextStyle
- window title: TextStyle
- UI control: TextStyle
- UI control accelerator: TextStyle
- menu cascade: TextStyle
- draft comment: TextStyle
- title reference: TextStyle
- error: TextStyle
- linked reference: ReferenceStyle
- external hyperlink: TextStyle
- broken hyperlink: TextStyle
- glossary inline definition: TextStyle
- body: ParagraphStyle
- code block: ParagraphStyle
- code block caption: CaptionStyle
- math block: ParagraphStyle
- attribution: ParagraphStyle
- centered: ParagraphStyle
- line block: ParagraphStyle
- block quote: GroupedFlowablesStyle
- chapter: SectionStyle
- heading level 1: HeadingStyle
- unnumbered heading level 1: HeadingStyle
- heading level 2: HeadingStyle
- unnumbered heading level 2: HeadingStyle
- heading level 3: HeadingStyle
- unnumbered heading level 3: HeadingStyle
- heading level 4: HeadingStyle
- unnumbered heading level 4: HeadingStyle
- heading level 5: HeadingStyle
- unnumbered heading level 5: HeadingStyle
- other heading levels: HeadingStyle
- appendix: SectionStyle
- appendix heading level 1: HeadingStyle
- appendix heading level 2: HeadingStyle

- appendix heading level 3: HeadingStyle
- appendix heading level 4: HeadingStyle
- appendix heading level 5: HeadingStyle
- title: ParagraphStyle
- prerequisites: GroupedFlowablesStyle
- prerequisites title: ParagraphStyle
- post requirement: GroupedFlowablesStyle
- abstract: GroupedFlowablesStyle
- abstract paragraph: ParagraphStyle
- example: GroupedFlowablesStyle
- example title: ParagraphStyle
- topic: GroupedFlowablesStyle
- topic title: ParagraphStyle
- rubric: ParagraphStyle
- sidebar: GroupedFlowablesStyle
- sidebar title: ParagraphStyle
- sidebar subtitle: ParagraphStyle
- list item label: ListItemLabelStyle
- list item body: GroupedFlowablesStyle
- list item paragraph: ParagraphStyle
- enumerated list: ListStyle
- enumerated list item: LabeledFlowableStyle
- enumerated list item label: ListItemLabelStyle
- nested enumerated list: ListStyle
- (table) enumerated list: ListStyle
- (table) enumerated list item: LabeledFlowableStyle
- (table) enumerated list item label: ListItemLabelStyle
- bulleted list: ListStyle
- compact bulleted list: ListStyle
- bulleted list item: LabeledFlowableStyle
- bulleted list item label: ListItemLabelStyle
- nested bulleted list: ListStyle
- (table) bulleted list: ListStyle
- (table) bulleted list item: LabeledFlowableStyle
- (table) bulleted list item label: ListItemLabelStyle
- steps list: ListStyle
- steps list title: ParagraphStyle
- steps list item: LabeledFlowableStyle
- steps list item label: ListItemLabelStyle
- unordered steps list: ListStyle
- unordered steps list title: ParagraphStyle
- unordered steps list item: LabeledFlowableStyle
- unordered steps list item label: ListItemLabelStyle
- choices list: ListStyle
- choices list item: LabeledFlowableStyle
- choices list item label: ListItemLabelStyle
- definition list: GroupedFlowablesStyle
- definition list item: LabeledFlowableStyle
- definition term: GroupedFlowablesStyle
- definition term paragraph: ParagraphStyle
- definition term classifier: TextStyle
- definition: GroupedFlowablesStyle
- definition paragraph: ParagraphStyle

- related links: GroupedFlowablesStyle
- related links section title: ParagraphStyle
- related links list: ListStyle
- related links list item: LabeledFlowableStyle
- related links list item label: ListItemLabelStyle
- related links list item paragraph: ReferencingParagraphStyle
- related link title reference: ReferenceStyle
- related link page reference: ReferenceStyle
- related link number reference: ReferenceStyle
- related link reference: ReferenceStyle
- versionmodified: TextStyle
- object description: LabeledFlowableStyle
- object signatures: GroupedFlowablesStyle
- object signature: ParagraphStyle
- object name: TextStyle
- additional name part: TextStyle
- object type: TextStyle
- object returns: TextStyle
- object parentheses: TextStyle
- object parameter list: TextStyle
- object parameter: TextStyle
- object parameter (no emphasis): TextStyle
- object brackets: TextStyle
- object optional parameter: TextStyle
- object annotation: TextStyle
- object description content: GroupedFlowablesStyle
- object description content paragraph: ParagraphStyle
- production list: GroupedFlowablesStyle
- production: LabeledFlowableStyle
- token name: ParagraphStyle
- token definition: ParagraphStyle
- field list: GroupedFlowablesStyle
- field list item: LabeledFlowableStyle
- field name: ParagraphStyle
- option list: GroupedFlowablesStyle
- option list item: LabeledFlowableStyle
- option: ParagraphStyle
- option string: TextStyle
- option argument: TextStyle
- admonition: AdmonitionStyle
- admonition title: ParagraphStyle
- admonition inline title: TextStyle
- attention admonition: AdmonitionStyle
- attention admonition title: ParagraphStyle
- attention admonition inline title: TextStyle
- caution admonition: AdmonitionStyle
- caution admonition title: ParagraphStyle
- caution admonition inline title: TextStyle
- danger admonition: AdmonitionStyle
- danger admonition title: ParagraphStyle
- danger admonition inline title: TextStyle
- error admonition: AdmonitionStyle
- error admonition title: ParagraphStyle

- error admonition inline title: TextStyle
- hint admonition: AdmonitionStyle
- hint admonition title: ParagraphStyle
- hint admonition inline title: TextStyle
- important admonition: AdmonitionStyle
- important admonition title: ParagraphStyle
- important admonition inline title: TextStyle
- note admonition: AdmonitionStyle
- note admonition title: ParagraphStyle
- note admonition inline title: TextStyle
- tip admonition: AdmonitionStyle
- tip admonition title: ParagraphStyle
- tip admonition inline title: TextStyle
- warning admonition: AdmonitionStyle
- warning admonition title: ParagraphStyle
- warning admonition inline title: TextStyle
- seealso admonition: AdmonitionStyle
- seealso admonition title: ParagraphStyle
- seealso admonition inline title: TextStyle
- header: ParagraphStyle
- footer: ParagraphStyle
- footnote marker: NoteMarkerStyle
- citation marker: NoteMarkerStyle
- footnote paragraph: ParagraphStyle
- footnote label: ParagraphStyle
- image: FlowableStyle
- inline image: InlineFlowableStyle
- figure: FigureStyle
- figure image: FlowableStyle
- figure caption: CaptionStyle
- figure legend: GroupedFlowablesStyle
- figure legend paragraph: ParagraphStyle
- table of contents section: SectionStyle
- table of contents title: HeadingStyle
- table of contents: TableOfContentsStyle
- local table of contents: TableOfContentsStyle
- toc level 1: TableOfContentsEntryStyle
- toc level 2: TableOfContentsEntryStyle
- toc level 3: TableOfContentsEntryStyle
- L3 toc level 3: TableOfContentsEntryStyle
- toc entry number reference field: ReferenceStyle
- list of figures section: SectionStyle
- list of figures: ListOfStyle
- list of figures entry: ListOfEntryStyle
- list of tables section: SectionStyle
- list of tables: ListOfStyle
- list of tables entry: ListOfEntryStyle
- table: TableStyle
- table with caption: TableWithCaptionStyle
- table caption: CaptionStyle
- choices table: TableStyle
- table cell: TableCellStyle
- table body cell background on even row: TableCellBackgroundStyle

- table body cell background on odd row: TableCellBackgroundStyle
- table body cell paragraph: ParagraphStyle
- table first column paragraph: ParagraphStyle
- table body cell list item number: ParagraphStyle
- table head cell: TableCellStyle
- table head cell paragraph: ParagraphStyle
- table cell left border: TableCellBorderStyle
- table cell top border: TableCellBorderStyle
- table cell right border: TableCellBorderStyle
- table cell bottom border: TableCellBorderStyle
- table top border: TableCellBorderStyle
- table bottom border: TableCellBorderStyle
- table left border: TableCellBorderStyle
- table right border: TableCellBorderStyle
- table head cell left border: TableCellBorderStyle
- table head cell right border: TableCellBorderStyle
- table head bottom border: TableCellBorderStyle
- table head left border: TableCellBorderStyle
- table head right border: TableCellBorderStyle
- table body top border: TableCellBorderStyle
- table body left border: TableCellBorderStyle
- table body right border: TableCellBorderStyle
- horizontal rule: HorizontalRuleStyle
- index: IndexStyle
- index section label: ParagraphStyle
- level 1 index entry: ParagraphStyle
- level 2 index entry: ParagraphStyle
- level 3 index entry: ParagraphStyle
- level 4 index entry: ParagraphStyle
- domain index entry name: TextStyle

3.3 Element Style Classes

These are the style classes corresponding to each type of document element. For each style class, the supported style attributes are listed along with the values that can be assigned to them in a style sheet.

draw.LineStyle	Style class for Line
draw.ShapeStyle	Style class for Shape
flowable.FlowableStyle	Style class for Flowable
flowable.LabeledFlowableStyle	Style class for LabeledFlowable
flowable.GroupedFlowablesStyle	Style class for GroupedFlowables
flowable.FloatStyle	Style class for Float
image.CaptionStyle	Style class for Caption
image.FigureStyle	Style class for Figure
index.IndexStyle	Style class for Index
paragraph.ParagraphStyle	Style class for Paragraph
text.TextStyle	Style class for Text
inline.InlineFlowableStyle	Style class for InlineFlowable
reference.ReferencingParagraphStyle	Style class for ReferencingParagraph
reference.NoteMarkerStyle	Style class for NoteMarker

structure.SectionStyle	Style class for Section
structure.HeadingStyle	Style class for Heading
structure.ListStyle	Style class for List
structure.ListItemLabelStyle	Style class for ListItemLabel
structure.TableOfContentsStyle	Style class for TableOfContents
structure.TableOfContentsEntryStyle	Style class for TableOfContentsEntry
structure.AdmonitionStyle	Style class for Admonition
structure.HorizontalRuleStyle	Style class for HorizontalRule
table.TableStyle	Style class for Table
table.TableCellStyle	Style class for TableCell
table.TableCellBorderStyle	Style class for TableCellBorder
table.TableCellBackgroundStyle	Style class for TableCellBackground

3.3.1 LineStyle

class rinoh.draw.**LineStyle** (*base=None*, ***attributes*)

Style class for Line

stroke

Width and color used to draw the line
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: 1pt, #000

hide

Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.2 ShapeStyle

class rinoh.draw.**ShapeStyle** (*base=None*, ***attributes*)

Style class for Shape

fill_color

Color to fill the shape
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #e5e5e5

stroke

Width and color used to draw the line (inherited from LineStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: 1pt, #000

hide

Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.3 FlowableStyle

class rinoh.flowable.**FlowableStyle** (*base=None*, ***attributes*)

Style class for Flowable

width
: Width to render the flowable at
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: auto

horizontal_align
: Horizontal alignment of the flowable
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
: Vertical space preceding the flowable
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
: Vertical space following the flowable
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
: Left margin
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
: Right margin
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
: Padding
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
: Left padding
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
: Right padding
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
: Top padding
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.4 LabeledFlowableStyle

class rinoh.flowable.**LabeledFlowableStyle** (*base=None*, ***attributes*)

Style class for LabeledFlowable

label_min_width
: Minimum label width
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 12pt

label_max_width
: Maximum label width
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 80pt

label_spacing
: Spacing between a label and the labeled flowable
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3pt

align_baselines
: Line up the baselines of the label and the labeled flowable
Accepts Bool: true or false
Default: true

wrap_label
: Wrap the label at label_max_width
Accepts Bool: true or false
Default: false

width
: Width to render the flowable at (inherited from FlowableStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: auto

horizontal_align
: Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
: Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
: Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
: Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a

comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.5 GroupedFlowablesStyle

class rinoh.flowable.**GroupedFlowablesStyle** (*base=None*, ***attributes*)
Style class for GroupedFlowables

width
Overrides the default set in FlowableStyle
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

title
Title to precede the flowables
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a

comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.6 FloatStyle

class rinoh.flowable.**FloatStyle** (*base=None*, ***attributes*)
Style class for Float

float
Float the flowable to the top or bottom of the page
Accepts Bool: true or false
Default: false

width
Width to render the flowable at (inherited from FlowableStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: auto

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.7 CaptionStyle

class rinoh.image.**CaptionStyle** (*base=None, **attributes*)
Style class for Caption

number_format
Overrides the default set in ParagraphStyle
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: number

numbering_level
Overrides the default set in ParagraphStyle

Accepts Integer: a natural number (positive integer)
Default: 1

width
Width to render the flowable at (inherited from ParagraphStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

indent_first
Indentation of the first line of text (inherited from ParagraphStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

line_spacing
Spacing between the baselines of two successive lines of text (inherited from ParagraphStyle)
Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)
Default: default

text_align
Alignment of text to the margins (inherited from ParagraphStyle)
Accepts TextAlign: left, right, center, justify
Default: justify

tab_stops
List of tab positions (inherited from ParagraphStyle)
Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.
Default: (no value)

number_separator
Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label. (inherited from ParagraphStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '.'

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

typeface
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)

Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.8 FigureStyle

class rinoh.image.**FigureStyle** (*base=None*, ***attributes*)
Style class for Figure

float
Float the flowable to the top or bottom of the page (inherited from FloatStyle)
Accepts Bool: true or false
Default: false

width
Width to render the flowable at (inherited from FlowableStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: auto

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

3.3.9 IndexStyle

class rinoh.index.**IndexStyle** (*base=None*, ***attributes*)
Style class for Index

initials
Group index entries based on their first letter
Accepts Bool: true or false
Default: true

width
Width to render the flowable at (inherited from GroupedFlowablesStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.10 ParagraphStyle

class rinoh.paragraph.**ParagraphStyle** (*base=None*, ***attributes*)

Style class for Paragraph

width

Overrides the default set in FlowableStyle

Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: fill

indent_first

Indentation of the first line of text

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0pt

line_spacing

Spacing between the baselines of two successive lines of text

Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)

Default: default

text_align

Alignment of text to the margins

Accepts TextAlign: left, right, center, justify

Default: justify

tab_stops

List of tab positions

Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.

Default: (no value)

number_format

Overrides the default set in NumberStyle

Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman

Default: None

number_separator

Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label.

Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)

Default: '.'

numbering_level

At which section level to restart numbering (positive: absolute, negative: relative)

Accepts Integer: a natural number (positive integer)

Default: (no value)

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

`border`
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_left`
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_right`
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_top`
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_bottom`
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`background_color`
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

`page_break`
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

`hide`
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

`label_prefix`
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

`label_suffix`
Text to append to the label (inherited from LabelStyle)

Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

typeface
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)

Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

3.3.11 TextStyle

class rinoh.text.**TextStyle** (*base=None*, ***attributes*)
Style class for Text

typeface
Typeface to set the text in
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant
Slope style of the font
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US'
Accepts Locale: locale identifier in the <language ID>_<region ID> format

Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.12 InlineFlowableStyle

class rinoh.inline.**InlineFlowableStyle** (*base=None*, ***attributes*)
Style class for InlineFlowable

baseline
The location of the flowable's baseline relative to the bottom edge
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

width
Width to render the flowable at (inherited from FlowableStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: auto

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

3.3.13 ReferencingParagraphStyle

class rinoh.reference.**ReferencingParagraphStyle** (*base=None*, ***attributes*)
Style class for ReferencingParagraph

text
The text content of this paragraph
Accepts ReferenceText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '{TITLE}'

width
Width to render the flowable at (inherited from ParagraphStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm,

cm, %, /2, /4)
Default: fill

indent_first
Indentation of the first line of text (inherited from ParagraphStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

line_spacing
Spacing between the baselines of two successive lines of text (inherited from ParagraphStyle)
Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)
Default: default

text_align
Alignment of text to the margins (inherited from ParagraphStyle)
Accepts TextAlign: left, right, center, justify
Default: justify

tab_stops
List of tab positions (inherited from ParagraphStyle)
Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.
Default: (no value)

number_format
How numbers are formatted (inherited from ParagraphStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: None

number_separator
Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label. (inherited from ParagraphStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '.'

numbering_level
At which section level to restart numbering (positive: absolute, negative: relative) (inherited from ParagraphStyle)
Accepts Integer: a natural number (positive integer)
Default: (no value)

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

typeface
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from

TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.14 NoteMarkerStyle

class rinoh.reference.**NoteMarkerStyle** (*base=None*, ***attributes*)
Style class for NoteMarker

type
Overrides the default set in ReferenceStyle
Accepts ReferenceType: reference, number, title, page
Default: number

link
Create a hyperlink to the reference target (inherited from ReferenceStyle)
Accepts Bool: true or false
Default: true

quiet
If the given reference type does not existfor the target, resolve to an empty stringinstead of making a fuss about it (inherited from ReferenceStyle)
Accepts Bool: true or false
Default: false

custom_title
Override the reference text with a custom string supplied bythe frontend (inherited from ReferenceStyle)
Accepts Bool: true or false
Default: false

typeface
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

number_format
How numbers are formatted (inherited from NumberStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: number

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.15 SectionStyle

class rinoh.structure.**SectionStyle** (*base=None*, ***attributes*)
Style class for Section

show_in_toc
List this section in the table of contents
Accepts Bool: true or false
Default: true

width
Width to render the flowable at (inherited from GroupedFlowablesStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.16 HeadingStyle

class rinoh.structure.**HeadingStyle** (*base=None*, ***attributes*)
Style class for Heading

keep_with_next
Overrides the default set in FlowableStyle
Accepts Bool: true or false
Default: true

numbering_level
Overrides the default set in ParagraphStyle
Accepts Integer: a natural number (positive integer)
Default: -1

width
Width to render the flowable at (inherited from ParagraphStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

indent_first
Indentation of the first line of text (inherited from ParagraphStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

line_spacing
Spacing between the baselines of two successive lines of text (inherited from ParagraphStyle)
Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)

Default: default

text_align
Alignment of text to the margins (inherited from ParagraphStyle)
Accepts TextAlign: left, right, center, justify
Default: justify

tab_stops
List of tab positions (inherited from ParagraphStyle)
Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.
Default: (no value)

number_format
How numbers are formatted (inherited from ParagraphStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: None

number_separator
Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label. (inherited from ParagraphStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '.'

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

typeface
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)

Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

hide
Suppress rendering this element (inherited from Style)

Accepts Bool: true or false
Default: false

3.3.17 ListStyle

class rinoh.structure.**ListStyle** (*base=None, **attributes*)
Style class for List

ordered
This list is ordered or unordered
Accepts Bool: true or false
Default: false

bullet
Bullet to use in unordered lists
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '•'

width
Width to render the flowable at (inherited from GroupedFlowablesStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

number_format
How numbers are formatted (inherited from NumberStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: number

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

3.3.18 ListItemLabelStyle

class rinoh.structure.**ListItemLabelStyle** (*base=None*, ***attributes*)

Style class for ListItemLabel

width

Width to render the flowable at (inherited from ParagraphStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

indent_first

Indentation of the first line of text (inherited from ParagraphStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

line_spacing

Spacing between the baselines of two successive lines of text (inherited from ParagraphStyle)
Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)
Default: default

text_align

Alignment of text to the margins (inherited from ParagraphStyle)
Accepts TextAlign: left, right, center, justify
Default: justify

tab_stops

List of tab positions (inherited from ParagraphStyle)
Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.
Default: (no value)

number_format

How numbers are formatted (inherited from ParagraphStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: None

number_separator

Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label. (inherited from ParagraphStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '.'

numbering_level

At which section level to restart numbering (positive: absolute, negative: relative) (inherited from ParagraphStyle)
Accepts Integer: a natural number (positive integer)

Default: (no value)

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

`border`
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_left`
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_right`
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_top`
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_bottom`
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`background_color`
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

`page_break`
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

`label_prefix`
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

`label_suffix`
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

`custom_label`
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

`typeface`
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

`font_weight`
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

`font_slant`
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

`font_width`
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

`font_size`
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

`font_color`
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

`font_variant`
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

`position`
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

`kerning`
Improve inter-letter spacing (inherited from TextStyle)
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.19 TableOfContentsStyle

class rinoh.structure.**TableOfContentsStyle** (*base=None*, ***attributes*)
Style class for TableOfContents

depth
The number of section levels to include in the table of contents
Accepts Integer: a natural number (positive integer)
Default: 3

width
Width to render the flowable at (inherited from GroupedFlowablesStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: fill

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false

Default: false

indent_first
Indentation of the first line of text (inherited from ParagraphStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

line_spacing
Spacing between the baselines of two successive lines of text (inherited from ParagraphStyle)
Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)
Default: default

text_align
Alignment of text to the margins (inherited from ParagraphStyle)
Accepts TextAlign: left, right, center, justify
Default: justify

tab_stops
List of tab positions (inherited from ParagraphStyle)
Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.
Default: (no value)

number_format
How numbers are formatted (inherited from ParagraphStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: None

number_separator
Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label. (inherited from ParagraphStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '.'

numbering_level
At which section level to restart numbering (positive: absolute, negative: relative) (inherited from ParagraphStyle)
Accepts Integer: a natural number (positive integer)
Default: (no value)

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)

Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

typeface
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)

Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

3.3.20 TableOfContentsEntryStyle

class rinoh.structure.**TableOfContentsEntryStyle** (*base=None*, ***attributes*)
Style class for TableOfContentsEntry

text
Overrides the default set in ReferencingParagraphStyle
Accepts ReferenceText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '{NUMBER}' '\t' '{TITLE}' '\t' '{PAGE}'

width
Width to render the flowable at (inherited from ParagraphStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: fill

indent_first
Indentation of the first line of text (inherited from ParagraphStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0pt

line_spacing
Spacing between the baselines of two successive lines of text (inherited from ParagraphStyle)
Accepts LineSpacing: a predefined line spacing type or the name of a line spacing type followed by comma-separated arguments enclosed in braces: <spacing type>(<arg1>, <arg2>, ...)
Default: default

text_align
Alignment of text to the margins (inherited from ParagraphStyle)
Accepts TextAlign: left, right, center, justify
Default: justify

tab_stops
List of tab positions (inherited from ParagraphStyle)
Accepts TabStopList: a comma-seperated list of tab stops. A tab stop is specified as <position> [align] [fill string], where position (Dimension) is required and align (TabAlign) and fill string (string enclosed in quotes) are optional.
Default: (no value)

number_format
How numbers are formatted (inherited from ParagraphStyle)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: None

number_separator
Characters inserted between the number label of this element's parent and this element's own number label. If None, only show this item's number label. (inherited from ParagraphStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '.'

numbering_level
At which section level to restart numbering (positive: absolute, negative: relative) (inherited from ParagraphStyle)
Accepts Integer: a natural number (positive integer)
Default: (no value)

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_right`
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_top`
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_bottom`
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`background_color`
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

`page_break`
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

`label_prefix`
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

`label_suffix`
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

`custom_label`
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

`typeface`
Typeface to set the text in (inherited from TextStyle)
Accepts Typeface: the name of a typeface. See rinoh --list-fonts for a list of the available typefaces.
Default: Times

font_weight
Thickness of character outlines relative to their height (inherited from TextStyle)
Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black
Default: 500

font_slant
Slope style of the font (inherited from TextStyle)
Accepts FontSlant: upright, oblique, italic
Default: upright

font_width
Stretch of the characters (inherited from TextStyle)
Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded
Default: 5

font_size
Height of characters (inherited from TextStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 10pt

font_color
Color of the font (inherited from TextStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: #000

font_variant
Variant of the font (inherited from TextStyle)
Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position
Vertical text position (inherited from TextStyle)
Accepts TextPosition: normal, superscript, subscript
Default: normal

kerning
Improve inter-letter spacing (inherited from TextStyle)
Accepts Bool: true or false
Default: true

ligatures
Run letters together where possible (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphenate
Allow words to be broken over two lines (inherited from TextStyle)
Accepts Bool: true or false
Default: true

hyphen_chars
Minimum number of characters in a hyphenated part of a word (inherited from

TextStyle)
Accepts Integer: a natural number (positive integer)
Default: 2

hyphen_lang
Language to use for hyphenation. Accepts locale codes such as 'en_US' (inherited from TextStyle)
Accepts Locale: locale identifier in the <language ID>_<region ID> format
Default: en_US

before
Item to insert before this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

after
Item to insert after this one (inherited from InlineStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.21 AdmonitionStyle

class rinoh.structure.**AdmonitionStyle** (*base=None*, ***attributes*)
Style class for Admonition

inline_title
Show the admonition's title inline with the body text, if possible
Accepts Bool: true or false
Default: true

width
Width to render the flowable at (inherited from GroupedFlowablesStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.22 HorizontalRuleStyle

class rinoh.structure.**HorizontalRuleStyle** (*base=None*, ***attributes*)
Style class for HorizontalRule

width
Width to render the flowable at (inherited from FlowableStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm,

cm, %, /2, /4)
Default: auto

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

`border`
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_left`
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_right`
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_top`
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`border_bottom`
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`background_color`
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

`page_break`
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

`hide`
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

`stroke`
Width and color used to draw the line (inherited from LineStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: 1pt, #000

3.3.23 TableStyle

class rinoh.table.**TableStyle** (*base=None*, ***attributes*)

Style class for Table

column_widths

Absolute or relative widths of each column

Accepts ColumnWidths: a whitespace-delimited list of column widths; Dimensions (absolute width), integers (relative width) and/or 'auto' (automatic width)

Default: none

split_minimum_rows

The minimum number of rows to display when the table is split across pages

Accepts Integer: a natural number (positive integer)

Default: (no value)

repeat_head

Repeat the head when the table is split across pages

Accepts Bool: true or false

Default: false

width

Width to render the flowable at (inherited from FlowableStyle)

Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: auto

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

padding

Padding (inherited from FlowableStyle)

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.24 TableCellStyle

class rinoh.table.**TableCellStyle** (*base=None*, ***attributes*)
Style class for TableCell

vertical_align
Vertical alignment of the cell contents within the available space
Accepts VerticalAlign: top, middle, bottom
Default: middle

width
Width to render the flowable at (inherited from GroupedFlowablesStyle)
Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: fill

title
Title to precede the flowables (inherited from GroupedFlowablesStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing
Spacing between flowables (inherited from GroupedFlowablesStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

horizontal_align
Horizontal alignment of the flowable (inherited from FlowableStyle)
Accepts HorizontalAlignment: left, right, center
Default: left

space_above
Vertical space preceding the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

space_below
Vertical space following the flowable (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_left
Left margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

margin_right
Right margin (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding
Padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_left
Left padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_right
Right padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_top
Top padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

padding_bottom
Bottom padding (inherited from FlowableStyle)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 0

keep_with_next
Keep this flowable and the next on the same page (inherited from FlowableStyle)
Accepts Bool: true or false
Default: false

border
Border surrounding the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_left
Border left of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_right
Border right of the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_top
Border above the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

border_bottom
Border below the flowable (inherited from FlowableStyle)
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

background_color
Color of the area within the flowable's borders (inherited from FlowableStyle)
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

page_break
Type of page break to insert before rendering this flowable (inherited from FlowableStyle)
Accepts Break: none, any, left, right
Default: None

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.25 TableCellBorderStyle

class rinoh.table.**TableCellBorderStyle** (*base=None, **attributes*)
Style class for TableCellBorder

stroke
Overrides the default set in LineStyle
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

3.3.26 TableCellBackgroundStyle

class rinoh.table.**`TableCellBackgroundStyle`** (*base=None*, ***attributes*)

Style class for TableCellBackground

`fill_color`

Overrides the default set in ShapeStyle
Accepts Color: HEX string with optional alpha component (#RRGGBB, #RRGGBBAA, #RGB or #RGBA)
Default: none

`stroke`

Overrides the default set in LineStyle
Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)
Default: none

`hide`

Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

Standard Document Templates 4

Rinohtype includes a number of document templates. These are configurable and therefore should cater for most documents.

4.1 Article

The article template consists of a title page, an optional table of contents and the body text. By default, it uses a single numbering style for all pages and the same template for even and odd pages.

class rinoh.templates.article.**Article** (*document_tree*, *configuration=None*, *backend=None*)

stylesheet
Overrides the default set in DocumentTemplate
Accepts StyleSheet: the name of an Section 3.1 or the filename of a stylesheet file (with the .rts extension)
Default: sphinx_article (= rinoh.stylesheets.sphinx_article)

table_of_contents
Show or hide the table of contents
Accepts Bool: true or false
Default: true

abstract_location
Where to place the abstract
Accepts AbstractLocation: title, front matter
Default: front matter

parts
Overrides the default set in DocumentTemplate
Accepts PartsList: a space-separated list of document part template names
Default: title front_matter contents

language
The main language of the document (inherited from DocumentTemplate)
Accepts Language: the code of one of the supported languages
Default: EN (English)

strings
Strings to override standard element names (inherited from DocumentTemplate)
Accepts Strings: strings need to be entered in INI sections named after the StringCollection subclasses
Default: none

title
base: None

Type

TitlePartTemplate

front_matter
base: None

Type

ArticleFrontMatter

contents
base: None

Type

ContentsPartTemplate

page
base: None
Overrides these defaults:

- page_size = $(paper_size)

Type

PageTemplate

title_page
base: page
Overrides these defaults:

- top_margin = 8cm

Type

TitlePageTemplate

front_matter_page
base: page

Type

PageTemplate

contents_page
base: page

Type

PageTemplate

Configuration
alias of rinoh.template.ArticleConfiguration

ConfigurationFile
alias of rinoh.template.ArticleConfigurationFile

class rinoh.templates.article.**AbstractLocation**
Where to place the article's abstract
Accepts: title, front matter

4.2 Book

The book template consists of a title page, the table of contents, the body text and an index. The front matter pages are numbered using lowercase roman numerals. The template uses different templates for even and odd pages.

class rinoh.templates.book.**Book** (*document_tree*, *configuration=None*, *backend=None*)

stylesheet
Overrides the default set in DocumentTemplate
Accepts StyleSheet: the name of an Section 3.1 or the filename of a stylesheet file (with the .rts extension)
Default: sphinx (= rinoh.stylesheets.sphinx)

parts
Overrides the default set in DocumentTemplate
Accepts PartsList: a space-separated list of document part template names
Default: title front_matter contents back_matter

language
The main language of the document (inherited from DocumentTemplate)
Accepts Language: the code of one of the supported languages
Default: EN (English)

strings
Strings to override standard element names (inherited from DocumentTemplate)
Accepts Strings: strings need to be entered in INI sections named after the StringCollection subclasses
Default: none

cover
base: None
Overrides these defaults:
- drop_if_empty = False
- page_number_format = None
- end_at_page = left

Type
FixedDocumentPartTemplate

title
base: None
Overrides these defaults:
- page_number_format = number
- end_at_page = left

Type
TitlePartTemplate

front_matter
base: None
Overrides these defaults:
- flowables = [TableOfContentsSection(), ListOfFiguresSection(), ListOfTablesSection()]

- page_number_format = lowercase roman
- end_at_page = left

Type

FixedDocumentPartTemplate

contents

base: None

Overrides these defaults:

- page_number_format = number
- end_at_page = left

Type

ContentsPartTemplate

back_matter

base: None

Overrides these defaults:

- page_number_format = number
- end_at_page = left

Type

BackMatterTemplate

page

base: None

Overrides these defaults:

- page_size = $(paper_size)
- left_margin = 1in
- right_margin = 1in
- top_margin = 1in
- bottom_margin = 1in

Type

PageTemplate

cover_page

base: page

Type

PageTemplate

title_page

base: page

Type

TitlePageTemplate

front_matter_page

base: page

Overrides these defaults:

- header_footer_distance = 0
- header_text = None

Type

PageTemplate

front_matter_right_page

base: front_matter_page

Overrides these defaults:

- footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_header_text = None
- chapter_footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_title_height = 2.5in
- chapter_title_flowables = [<rinoh.paragraph.Paragraph object at 0x7f677dee42e0>]

Type

PageTemplate

front_matter_left_page

base: front_matter_page

Overrides these defaults:

- footer_text = '{PAGE_NUMBER}'

Type

PageTemplate

contents_page

base: page

Overrides these defaults:

- header_footer_distance = 0

Type

PageTemplate

contents_right_page

base: contents_page

Overrides these defaults:

- header_text = '\t' '\t' '{DOCUMENT_TITLE}' ', ' '{DOCUMENT_SUBTITLE}'
- footer_text = '{SECTION_NUMBER(2)}' '. ' '{SECTION_TITLE(2)}' '\t' '\t' '{PAGE_NUMBER}'
- chapter_header_text = None
- chapter_footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_title_height = 2.4in
- chapter_title_flowables = [<rinoh.paragraph.Paragraph object at 0x7f677dee4c10>, <rinoh.paragraph.Paragraph object at 0x7f677df83ac0>]

Type

PageTemplate

contents_left_page

base: contents_page

Overrides these defaults:

- header_text = '{DOCUMENT_TITLE}' ', ' '{DOCUMENT_SUBTITLE}'
- footer_text = '{PAGE_NUMBER}' '\t' '\t' '{SectionTitles.chapter}' ' ' '{SECTION_NUMBER(1)}' '. ' '{SECTION_TITLE(1)}'

Type

PageTemplate

back_matter_page

base: page

Overrides these defaults:

- columns = 2
- header_footer_distance = 0

Type

PageTemplate

back_matter_right_page

base: back_matter_page

Overrides these defaults:

- header_text = '\t' '\t' '{DOCUMENT_TITLE}' ', ' '{DOCUMENT_SUBTITLE}'
- footer_text = '{SECTION_TITLE(1)}' '\t' '\t' '{PAGE_NUMBER}'
- chapter_header_text = None
- chapter_footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_title_height = 2.5in
- chapter_title_flowables = [<rinoh.paragraph.Paragraph object at 0x7f677dee42e0>]

Type

PageTemplate

back_matter_left_page

base: back_matter_page

Overrides these defaults:

- header_text = '{DOCUMENT_TITLE}' ', ' '{DOCUMENT_SUBTITLE}'
- footer_text = '{PAGE_NUMBER}' '\t' '\t' '{SECTION_TITLE(1)}'

Type

PageTemplate

Configuration

alias of rinoh.template.BookConfiguration

ConfigurationFile

alias of rinoh.template.BookConfigurationFile

API Documentation 5

Note

The API documentation is still incomplete.

5.1 Attribute (rinoh.attribute)

class rinoh.attribute.**AcceptNoneAttributeType**
Accepts 'none' (besides other values)

class rinoh.attribute.**OptionSet**
Accepts the values listed in values
Accepts:

class rinoh.attribute.**Attribute** (*accepted_type*, *default_value*, *description*)
Descriptor used to describe a style attribute

class rinoh.attribute.**OverrideDefault** (*default_value*)
Overrides the default value of an attribute defined in a superclass

class rinoh.attribute.**AttributesDictionary** (*base=None*, ***attributes*)

class rinoh.attribute.**RuleSet** (*name*, *base=None*, *source=None*, ***kwargs*)

class rinoh.attribute.**RuleSetFile** (*filename*, *base=None*, *source=None*, ***kwargs*)

property location
Textual representation of this source

property root
Directory path for resolving paths relative to this source

class rinoh.attribute.**Bool**
Expresses a binary choice

class rinoh.attribute.**Integer**
Accepts natural numbers

exception rinoh.attribute.**ParseError**

5.2 Color (rinoh.color)

class rinoh.color.**Color** (*red*, *green*, *blue*, *alpha=1*)
Color defined by component values

Parameters
- red (float) – red component (0 .. 1)
- blue (float) – blue component (0 .. 1)
- green (float) – green component (0 .. 1)
- alpha (float) – opacity (0 .. 1)

property rgba

classmethod parse_string (*string*, *source*)

classmethod doc_format ( )

class rinoh.color.**HexColor** (*string*)
Color defined as a hexadecimal string

Parameters

string (str) – #RGBA or #RRGGBBAA (# and A are optional)

class rinoh.color.**Gray** (*luminance*, *alpha=1*)
Shade of gray

Parameters
- luminance (float) – brightness (0 .. 1)
- alpha (float) – opacity (0 .. 1)

5.3 Dimension (rinoh.dimension)

Classes for expressing dimensions: lengths, widths, line thickness, etc.

Each dimension is expressed in terms of a unit. Several common units are are defined here as constants. To create a new dimension, multiply number with a unit:

```
height = 100*PT
width = 50*PERCENT
```

Fractional dimensions are evaluated within the context they are defined in. For example, the width of a Flowable is evaluated with respect to the total width available to it.

class rinoh.dimension.**Dimension** (*value=0*, *unit=None*)
A simple dimension

Parameters
- value (int or float) – the magnitude of the dimension
- unit (DimensionUnit) – the unit this dimension is expressed in. Default: PT.

grow (*value*)
Grow this dimension (in-place)
The value is interpreted as a magnitude expressed in the same unit as this dimension.

Parameters

value (int or float) – the amount to add to the magnitude of this dimension

Returns

Dimension – this (grown) dimension itself

rinoh.dimension.**PT = DimensionUnit(1.0, 'pt')**
PostScript points

rinoh.dimension.**PICA = DimensionUnit(12.0, 'pc')**
computer pica

rinoh.dimension.**INCH = DimensionUnit(72.0, 'in')**
imperial/US inch

rinoh.dimension.**MM = DimensionUnit(2.8346456692913384, 'mm')**
millimeter

rinoh.dimension.**CM = DimensionUnit(28.346456692913385, 'cm')**
centimeter

rinoh.dimension.**PERCENT = FractionUnit(100, '%')**
fraction of 100

rinoh.dimension.**QUARTERS = FractionUnit(4, '/4')**
fraction of 4

5.4 Document (rinoh.document)

class rinoh.document.**DocumentTree** (*flowables*, *options=None*)
Holds the document's contents as a tree of flowables

Parameters

- flowables (list[Flowable]) – the list of top-level flowables
- source_root (Path) – path used to locate images and include in logging and error and warnings.
- options (Reader) – frontend-specific options

class rinoh.document.**Document** (*document_tree*, *stylesheet*, *language*, *strings=None*, *backend=None*)
Renders a document tree to pages

Parameters

- document_tree (DocumentTree) – a tree of the document's contents
- stylesheet (StyleSheet) – style sheet used to style document elements
- language (Language) – the language to use for standard strings
- strings (Strings) – overrides localized strings provided by language
- backend – the backend used for rendering the document

render (*filename_root=None*, *file=None*)
Render the document repeatedly until the output no longer changes due to cross-references that need some iterations to converge.

5.4.1 Pages

class rinoh.document.**Page** (*document_part*, *number*, *paper*, *orientation='portrait'*)
A single page in a document.
A Page is a Container, so other containers can be added as children.

Parameters
- document_part (DocumentPart) – the document part this page is part of
- number (int) – the 1-based index of this page in the document part
- paper (Paper) – determines the dimensions of this page
- orientation (PageOrientation) – the orientation of this page

property page
Returns the page itself.

render ( )
Render the contents of this container to its canvas.
Note that the rendered contents need to be place()d on the parent container's canvas before they become visible.

place ( )
Place this container's canvas onto the parent container's canvas.

class rinoh.document.**PageOrientation**
Accepts: portrait, landscape

class rinoh.document.**PageType**
Accepts: left, right, any

5.5 Drawing Primitives (rinoh.draw)

class rinoh.draw.**Stroke** (*width*, *color*)
The display properties of a line

Parameters
- width (Dimension) – the width of the line
- color (Color) – the color of the line

class rinoh.draw.**Line** (*start*, *end*, *style=None*, *parent=None*)
Draws a line

Parameters
- start (2-tuple) – coordinates for the start point of the line
- end (2-tuple) – coordinates for the end point of the line

style_class
alias of rinoh.draw.LineStyle

class rinoh.draw.**Shape** (*style=None*, *parent=None*)
Base class for closed shapes

style_class
alias of rinoh.draw.ShapeStyle

class rinoh.draw.**Polygon** (*points*, *style=None*, *parent=None*)

class rinoh.draw.**Rectangle** (*bottom_left*, *width*, *height*, *style=None*, *parent=None*)

5.6 Flowable (rinoh.flowable)

class rinoh.flowable.**Flowable** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

A document element that can be "flowed" into a container on the page.

A flowable can adapt to the width of the container, or it can horizontally align itself in the container.

Parameters

- align (HorizontalAlignment) – horizontal alignment of the flowable
- width (FlowableWidth or DimensionBase) – the width of the flowable.

class rinoh.flowable.**FlowableState** (*flowable*, *_initial=True*)

Stores a flowable's rendering state, which can be copied.

This enables saving the rendering state at certain points in the rendering process, so rendering can later be resumed at those points, if needed.

5.6.1 No-Output Flowables

These flowables do not directly place anything on the page. All except DummyFlowable do have side-effects however. Some of these side-effects affect the rendering of the document in an indirect way.

class rinoh.flowable.**DummyFlowable** (*id=None*, *parent=None*)

A flowable that does not directly place anything on the page.

Subclasses can produce side-effects to affect the output in another way.

class rinoh.flowable.**AnchorFlowable** (*id=None*, *parent=None*)

A dummy flowable that registers a destination anchor.

Places a destination for the flowable's ID at the current cursor position.

class rinoh.flowable.**SetMetadataFlowable** (*parent=None*, ***metadata*)

A dummy flowable that stores metadata in the document.

The metadata is passed as keyword arguments. It will be available to other flowables during the rendering stage.

class rinoh.flowable.**WarnFlowable** (*message*, *parent=None*)

A dummy flowable that emits a warning during the rendering stage.

Parameters

message (str) – the warning message to emit

class rinoh.flowable.**PageBreak** (*page_break='any'*)

5.6.2 Labeled Flowables

class rinoh.flowable.**LabeledFlowable** (*label*, *flowable*, *id=None*, *style=None*, *parent=None*)

A flowable with a label.

The flowable and the label are rendered side-by-side. If the label exceeds the label_-max_width style attribute value, the flowable is rendered below the label.

Parameters

- label (Flowable) – the label for the flowable
- flowable (Flowable) – the flowable to label

style_class
alias of rinoh.flowable.LabeledFlowableStyle

prepare (*flowable_target*)
Determine number labels and register references with the document

render (*container*, *last_descender*, *state*, *label_column_width=None*, *space_below=0*, ***kwargs*)
Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

class rinoh.flowable.**LabeledFlowableState** (*flowable*, *content_flowable_state*, *_initial=True*)

5.6.3 Grouping Flowables

class rinoh.flowable.**GroupedFlowables** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)
Groups a list of flowables and renders them one below the other.
Makes sure that a flowable for which keep_with_next is enabled is not seperated from the flowable that follows it.
Subclasses should implement flowables().

style_class
alias of rinoh.flowable.GroupedFlowablesStyle

flowables (*container*)
Generator yielding the Flowables to group

render (*container*, *descender*, *state*, *first_line_only=False*, ***kwargs*)
Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

class rinoh.flowable.**GroupedFlowablesState** (*groupedflowables*, *flowables*, *first_flowable_state=None*, *_initial=True*, *_index=0*)

class rinoh.flowable.**StaticGroupedFlowables** (*flowables*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)
Groups a static list of flowables.

Parameters

flowables (iterable[Flowable]) – the flowables to group

flowables (*container*)
Generator yielding the Flowables to group

build_document (*flowable_target*)
Set document metadata and populate front and back matter

prepare (*flowable_target*)
Determine number labels and register references with the document

class rinoh.flowable.**GroupedLabeledFlowables** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

Groups a list of labeled flowables, lining them up.

render (*container*, *descender*, *state*, ***kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

5.6.4 Floating Flowables

class rinoh.flowable.**Float** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

A flowable that can optionally be placed elsewhere on the page.

If this flowable's float style attribute is set to True, it is not flowed in line with the surrounding flowables, but it is instead flowed into another container pointed to by the former's Container.float_space attribute.

This is typically used to place figures and tables at the top or bottom of a page, instead of in between paragraphs.

flow (*container*, *last_descender*, *state=None*, ***kwargs*)

Flow this flowable into container and return the vertical space consumed.

The flowable's contents are preceded by a vertical space with a height as specified in its style's space_above attribute. Similarly, the flowed content is followed by a vertical space with a height given by the space_below style attribute.

5.6.5 Styling Properties

class rinoh.flowable.**HorizontalAlignment**

Controls horizontal placement

Accepts: left, right, center

class rinoh.flowable.**FlowableWidth**

Controls the width of a flowable

Accepts: auto, fill or a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)

5.7 Fonts and Typefaces (rinoh.font)

Classes for fonts and typefaces.

class rinoh.font.**Font** (*filename*, *weight*, *slant*, *width*)

A collection of glyphs in a particular style

This is a base class for classes that parse different font formats. See rinoh.font.type1 and rinoh.font.opentype.

Parameters

- filename (str) – filename of the font file to load
- weight (FontWeight) – weight of the font
- slant (FontSlant) – slant of the font
- width (FontWidth) – width of the font

encoding

If no encoding is set for the Font, glyphs are addressed by glyph ID (and thus support

more than 256 glyphs).

get_glyph (*char*, *variant*)

Return the glyph for a particular character

If the glyph of requested font variant is not present in the font, the normal variant is returned instead. If that is not present either, an exception is raised.

Parameters

- char (str of length 1) – the character for which to find the glyph
- variant (FontVariant) – the variant of the glyph to return

Returns

GlyphMetrics – the requested glyph

Raises

MissingGlyphException – when the requested glyph is not present in the font

get_ligature (*glyph*, *successor_glyph*)

Return the ligature to replace the given glyphs

If no ligature is defined in the font for the given glyphs, return None.

Parameters

- glyph (GlyphMetrics) – the first of the glyphs to combine
- successor_glyph (GlyphMetrics) – the second of the glyphs to combine

Returns

GlyphMetrics or None – the ligature to replace the given glyphs

get_kerning (*a*, *b*)

Look up the kerning for two glyphs

Parameters

- a (GlyphMetrics) – the first of the glyphs
- b (GlyphMetrics) – the second of the glyphs

Returns

float – the kerning value in font units

class rinoh.font.**Typeface** (*name*, **fonts*)

A set of fonts that share common design features

The fonts collected in a typeface differ in weight, width and/or slant.

Parameters

*fonts (Font) – the fonts that make up this typeface

fonts ( )

Generator yielding all fonts of this typeface

Yields

Font – the next font in this typeface

get_font (*weight=400*, *slant='upright'*, *width=5*)

Return the font matching or closest to the given style

If a font with the given weight, slant and width is available, return it. Otherwise, return the font that is closest in style.

Parameters

- weight (FontWeight) – weight of the font
- slant (FontSlant) – slant of the font

- width (FontWidth) – width of the font

Returns

Font – the requested font

class rinoh.font.style.**FontWeight**
Accepts: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

class rinoh.font.style.**FontSlant**
Accepts: upright, oblique, italic

class rinoh.font.style.**FontWidth**
Accepts: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

class rinoh.font.style.**FontVariant**
Accepts: normal, small capital, oldstyle figures

class rinoh.font.style.**TextPosition**
Accepts: normal, superscript, subscript

5.8 Images and Figures (rinoh.image)

class rinoh.image.**Image** (*filename_or_file*, *scale=1.0*, *width=None*, *height=None*, *dpi=None*, *rotate=0*, *limit_width=<rinoh.dimension.Fraction object>*, *align=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

class rinoh.image.**InlineImage** (*filename_or_file*, *scale=1.0*, *width=None*, *height=None*, *dpi=None*, *rotate=0*, *baseline=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

arguments
alias of rinoh.image.InlineImageArgs

class rinoh.image.**BackgroundImage** (*filename_or_file*, *scale=1.0*, *width=None*, *height=None*, *dpi=None*, *rotate=0*, *limit_width=<rinoh.dimension.Fraction object>*, *align=None*, *id=None*, *style=None*, *parent=None*, *source=None*)
Image to place in the background of a page
Takes the same arguments as Image.

arguments
alias of rinoh.image.ImageArgs

class rinoh.image.**ImageArgs** (*base=None*, ***attributes*)

limit_width
Limit the image width when none of scale, width and height are given and the image would be wider than the container
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 100%

align
How to align the image within the page
Accepts HorizontalAlignment: left, right, center
Default: left

file_or_filename
Path to the image file (inherited from ImageArgsBase)
Accepts ImagePath: path to an image file enclosed in quotes
Default: none

scale
Scaling factor for the image (inherited from ImageArgsBase)
Accepts Scale: fit, fill or a float larger than 0
Default: fit

width
The width to scale the image to (inherited from ImageArgsBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: none

height
The height to scale the image to (inherited from ImageArgsBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: none

dpi
Overrides the DPI value set in the image (inherited from ImageArgsBase)
Accepts Integer: a natural number (positive integer)
Default: (no value)

rotate
Angle in degrees to rotate the image (inherited from ImageArgsBase)
Accepts Integer: a natural number (positive integer)
Default: (no value)

class rinoh.image.**Scale**
Scaling factor for images

Can be a numerical value where a value of 1 keeps the image's original size or one of values.
Accepts: fit, fill or a float larger than 0

class rinoh.image.**Caption** (*content*, *custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of rinoh.image.CaptionStyle

class rinoh.image.**Figure** (*flowables*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of rinoh.image.FigureStyle

class rinoh.image.**ListOfFiguresSection**

list_class
alias of rinoh.image.ListOfFigures

class rinoh.image.**ListOfFigures** (*local=False*, *id=None*, *style=None*, *parent=None*)

5.9 Index (rinoh.index)

class rinoh.index.**IndexSection** (*title=None*, *flowables=None*, *style=None*)

class rinoh.index.**Index** (*id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.index.IndexStyle

flowables (*container*)
Generator yielding the Flowables to group

class rinoh.index.**IndexLabel** (*content*, *custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

class rinoh.index.**IndexTerm** (**levels*)

class rinoh.index.**InlineIndexTarget** (*index_terms*, **args*, ***kwargs*)

to_string (*flowable_target*)
Return the text content of this styled text.

class rinoh.index.**IndexTarget** (*index_terms*, *parent=None*)

flow (*container*, *last_descender*, *state=None*, ***kwargs*)
Flow this flowable into container and return the vertical space consumed.
The flowable's contents are preceded by a vertical space with a height as specified in its style's space_above attribute. Similarly, the flowed content is followed by a vertical space with a height given by the space_below style attribute.

5.10 Language (rinoh.language)

class rinoh.language.**Language** (*code*, *name*)
Collects localized strings for a particular language

Parameters
- code (str) – short code identifying the language
- name (str) – native name of the language

languages
Dictionary mapping codes to Languages

The following languages are supported:

rinoh.language.**EN = Language('en', 'English')**
Localized strings for English
SectionTitles

Contents

Table of Contents

List_of_figures

List of Figures

List_of_tables

List of Tables

Chapter

Chapter

Index

Index

AdmonitionTitles

Attention

Attention!

Caution

Caution!

Danger

!DANGER!

Error

Error

Hint

Hint

Important

Important

Note

Note

Tip Tip

Warning

Warning

Seealso

See also

rinoh.language.**FR = Language('fr', 'Français')**

Localized strings for Français

SectionTitles

Contents

Table des Matières

List_of_figures

Liste des Figures

List_of_tables

Liste des Tableaux

Chapter

Chapitre

Index

Index

AdmonitionTitles

Attention
: Attention!

Caution
: Prudence!

Danger
: !DANGER!

Error
: Erreur

Hint
: Conseil

Important
: Important

Note
: Note

Tip Astuce

Warning
: Avertissement

Seealso
: Voir aussi

rinoh.language.**`IT` = Language('it', 'Italiano')**
Localized strings for Italiano
SectionTitles

Contents
: Contenuti

List_of_figures
: Elenco delle Figure

List_of_tables
: Elenco delle Tabelle

Chapter
: Capitolo

Index
: Indice

AdmonitionTitles

Attention
: Attenzione!

Caution
: Prudenza!

Danger
: !PERICOLO!

Error
: Errore

Hint

Consiglio

Important

Importante

Note

Nota

Tip Suggerimento

Warning

Avvertimento

Seealso

Vedi anche

rinoh.language.**NL = Language('nl', 'Nederlands')**

Localized strings for Nederlands

SectionTitles

Contents

Inhoudsopgave

List_of_figures

Lijst van Figuren

List_of_tables

Lijst van Tabellen

Chapter

Hoofdstuk

Index

Index

AdmonitionTitles

Attention

Opgelet!

Caution

Pas op!

Danger

!GEVAAR!

Error

Fout

Hint

Hint

Important

Belangrijk

Note

Noot

Tip Tip

Warning

Waarschuwing

Seealso

Zie ook

rinoh.language.**PL = Language('pl', 'Polski')**

Localized strings for Polski

SectionTitles

Contents

Spis Treści

List_of_figures

Spis Ilustracji

List_of_tables

Spis Tabel

Chapter

Rozdział

Index

Skorowidz

AdmonitionTitles

Attention

Uwaga!

Caution

Ostrożnie!

Danger

!NIEBEZPIECZEŃSTWO!

Error

Błąd

Hint

Wskazówka

Important

Ważne

Note

Notatka

Tip Porada

Warning

Ostrzeżenie

Seealso

Zobacz również

5.11 Number (rinoh.number)

Functions for formatting numbers:

- format_number(): Format a number according to a given style.

class rinoh.number.**NumberFormat**
How (or if) numbers are displayed

Instead of a numbering format, it's possible to supply a custom label (StyledText) to show instead of the number.
Accepts: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman

class rinoh.number.**NumberStyle** (*base=None*, ***attributes*)
Style class for Number

number_format
How numbers are formatted
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: number

label_prefix
Text to prepend to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

label_suffix
Text to append to the label (inherited from LabelStyle)
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

custom_label
Use a custom label if specified (inherited from LabelStyle)
Accepts Bool: true or false
Default: false

hide
Suppress rendering this element (inherited from Style)
Accepts Bool: true or false
Default: false

class rinoh.number.**Label** (*custom_label=None*)
Mixin class that formats a label

Parameters

custom_label (StyledText) – a frontend can supply a custom label to use instead of an automatically determined label (typically a number)

rinoh.number.**format_number** (*number*, *format*)
Format number according the given format (NumberFormat)

5.12 Paper sizes (rinoh.paper)

The Paper class and a number of predefined paper formats.

class rinoh.paper.**Paper** (*name*, *width*, *height*)

Defines a paper size.

Parameters

- name (str) – the name of this paper type
- width (Dimension) – the (portrait) width of this paper type
- height (Dimension) – the (portrait) height of this paper type

rinoh.paper.**A0 = Paper('A0', width=841*MM, height=1189*MM)**

rinoh.paper.**A1 = Paper('A1', width=594*MM, height=841*MM)**

rinoh.paper.**A2 = Paper('A2', width=420*MM, height=594*MM)**

rinoh.paper.**A3 = Paper('A3', width=297*MM, height=420*MM)**

rinoh.paper.**A4 = Paper('A4', width=210*MM, height=297*MM)**

rinoh.paper.**A5 = Paper('A5', width=148*MM, height=210*MM)**

rinoh.paper.**A6 = Paper('A6', width=105*MM, height=148*MM)**

rinoh.paper.**A7 = Paper('A7', width=74*MM, height=105*MM)**

rinoh.paper.**A8 = Paper('A8', width=52*MM, height=74*MM)**

rinoh.paper.**A9 = Paper('A9', width=37*MM, height=52*MM)**

rinoh.paper.**A10 = Paper('A10', width=26*MM, height=37*MM)**

rinoh.paper.**LETTER = Paper('letter', width=8.5*INCH, height=11*INCH)**

rinoh.paper.**LEGAL = Paper('legal', width=8.5*INCH, height=14*INCH)**

rinoh.paper.**JUNIOR_LEGAL = Paper('junior legal', width=8*INCH, height=5*INCH)**

rinoh.paper.**LEDGER = Paper('ledger', width=17*INCH, height=11*INCH)**

rinoh.paper.**TABLOID = Paper('tabloid', width=11*INCH, height=17*INCH)**

5.13 Paragraph (rinoh.paragraph)

class rinoh.paragraph.**ParagraphBase** (*custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

Base class for paragraphs

A paragraph holds styled text and other line elements to be flowed into a container.

style_class

alias of rinoh.paragraph.ParagraphStyle

prepare (*flowable_target*)

Determine number labels and register references with the document

render (*container*, *descender*, *state*, *space_below=0*, *first_line_only=False*)

Typeset the paragraph

The paragraph is typeset in the given container starting below the current cursor position of the container. When the end of the container is reached, the rendering state is preserved to continue setting the rest of the paragraph when this method is called with

a new container.

Parameters

- container (Container) – the container to render to
- descender (float or None) – descender height of the preceding line
- state (ParagraphState) – the state where rendering will continue
- first_line_only (bool) – typeset only the first line

class rinoh.paragraph.**Paragraph** (*content*, *custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

class rinoh.paragraph.**ParagraphState** (*paragraph*, *words*, *nested_flowable_state=None*, *_first_word=None*, *_initial=True*)

5.13.1 Styled Text (rinoh.text)

class rinoh.text.**StyledText** (*id=None*, *style=None*, *parent=None*, *source=None*)

Base class for text that has a TextStyle associated with it.

to_string (*flowable_target*)

Return the text content of this styled text.

is_script (*container*)

Returns True if this styled text is super/subscript.

script_level (*container*)

Nesting level of super/subscript.

height (*container*)

Font size after super/subscript size adjustment.

y_offset (*container*)

Vertical baseline offset (up is positive).

property items

The list of items in this StyledText.

style_class

alias of rinoh.text.TextStyle

class rinoh.text.**SingleStyledText** (*text*, *style=None*, *parent=None*, *source=None*)

Text with a single style applied

class rinoh.text.**MixedStyledText** (*text_or_items*, *id=None*, *style=None*, *parent=None*, *source=None*)

Concatenation of styled text

Parameters

- text_or_items (str, StyledText or iterable of these) – mixed styled text
- style – see Styled
- parent – see DocumentElement

prepare (*flowable_target*)

Determine number labels and register references with the document

append (*item*)

Append item (StyledText or str) to the end of this mixed-styled text.

The parent of item is set to this mixed-styled text.

property items
The list of items in this StyledText.

copy (*parent=None*)
Return a shallow copy of the list.

class rinoh.text.**Locale**
Selects a language

5.13.2 Inline Elements (rinoh.inline)

class rinoh.inline.**InlineFlowable** (*baseline=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of rinoh.inline.InlineFlowableStyle

5.13.3 Styling Properties

class rinoh.paragraph.**TextAlign**
Text justification
Accepts: left, right, center, justify

Line Spacing

class rinoh.paragraph.**LineSpacing**
Base class for line spacing types
Line spacing is defined as the distance between the baselines of two consecutive lines of text in a paragraph.

advance (*line*, *last_descender*, *container*)
Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.**DefaultSpacing**
The default line spacing as specified by the font.

advance (*line*, *last_descender*, *container*)
Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.**ProportionalSpacing** (*factor*)
Line spacing proportional to the line height

Parameters

factor (float) – amount by which the line height is multiplied to obtain the line spacing

advance (*line*, *last_descender*, *container*)
Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.**FixedSpacing** (*pitch*, *minimum=ProportionalSpacing(1.0)*)
Fixed line spacing, with optional minimum spacing

Parameters

- pitch (Dimension) – the distance between the baseline of two consecutive lines of text
- minimum (LineSpacing) – the minimum line spacing to prevents lines with large fonts (or inline elements) from overlapping; set to None if no minimum is required, set to None

advance (*line*, *last_descender*, *container*)

Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.**Leading** (*leading*)

Line spacing determined by the space in between two lines

Parameters

leading (Dimension) – the space between the bottom of a line and the top of the next line of text

advance (*line*, *last_descender*, *container*)

Return the distance between the descender of the previous line and the baseline of the current line.

The following standard line spacings have been predefined:

rinoh.paragraph.**DEFAULT = DefaultSpacing()**

The default line spacing as specified by the font.

rinoh.paragraph.**STANDARD = ProportionalSpacing(1.2)**

Line spacing of 1.2 times the line height.

rinoh.paragraph.**SINGLE = ProportionalSpacing(1.0)**

Line spacing equal to the line height (no leading).

rinoh.paragraph.**DOUBLE = ProportionalSpacing(2.0)**

Line spacing of double the line height.

Tabulation

class rinoh.paragraph.**TabAlign**

Alignment of text with respect to a tab stop

Accepts: left, right, center

class rinoh.paragraph.**TabStop** (*position*, *align='left'*, *fill=None*)

Horizontal position for aligning text of successive lines

Parameters

- position (Dimension or Fraction) – tab stop position
- align (TabAlign) – the alignment of text with respect to the tab stop positon
- fill (str) – string pattern to fill the empty tab space with

get_position (*line_width*)

Return the absolute position of this tab stop.

class rinoh.paragraph.**TabStopList** (*iterable=()*, */*)

List of tab stop positions (with alignment and fill string)

5.13.4 Rendering Internals

class rinoh.paragraph.**Glyph** (*glyph*, *width*, *char*)

class rinoh.paragraph.**GlyphsSpan** (*span*, *chars_to_glyphs*, *glyphs_and_widths=[]*)

5.13.5 Miscellaneous Internals

class rinoh.paragraph.**HyphenatorStore**

5.14 Cross-References and Fields (rinoh.reference)

class rinoh.reference.**Reference** (*target_id*, **args*, ***kwargs*)

class rinoh.reference.**ReferenceField** (*type=None*, *custom_title=None*, *style=None*, *parent=None*, *source=None*)

class rinoh.reference.**ReferenceText** (*id=None*, *style=None*, *parent=None*, *source=None*)

class rinoh.reference.**ReferenceType**
Accepts: reference, number, title, page

class rinoh.reference.**ReferencingParagraph** (*target_id_or_flowable*, *id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.reference.ReferencingParagraphStyle

target_style (*document*)
Filter selection on the style attribute of the target flowable

target_has_class (*document*)
Filter selection on a class of the target flowable

target_has_classes (*document*)
Filter selection on a set of classes of the target flowable

target_is_of_type (*document*)
Filter selection on the type of the target flowable

class rinoh.reference.**Note** (*flowable*, *id=None*, *style=None*, *parent=None*)

class rinoh.reference.**RegisterNote** (*note*, *parent=None*)

prepare (*flowable_target*)
Determine number labels and register references with the document

class rinoh.reference.**NoteMarkerBase** (*custom_label=None*, ***kwargs*)

style_class
alias of rinoh.reference.NoteMarkerStyle

prepare (*flowable_target*)
Determine number labels and register references with the document

class rinoh.reference.**NoteMarkerByID** (*target_id*, **args*, ***kwargs*)

class rinoh.reference.**NoteMarkerWithNote** (*referenceable*, *type='number'*, ***kwargs*)

prepare (*flowable_target*)
Determine number labels and register references with the document

class rinoh.reference.**Field** (*type*, *id=None*, *style=None*, *parent=None*, *source=None*)

5.15 Structure (rinoh.structure)

5.15.1 Sections

class rinoh.structure.**Section** (*flowables*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)
A subdivision of a document
A section usually has a heading associated with it, which is optionally numbered.

class rinoh.structure.**Heading** (*content*, *custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)
The title for a section

Parameters

title (StyledText) – this heading's text

style_class
alias of rinoh.structure.HeadingStyle

prepare (*container*)
Determine number labels and register references with the document

flow (*container*, *last_descender*, *state=None*, ***kwargs*)
Flow this flowable into container and return the vertical space consumed.
The flowable's contents are preceded by a vertical space with a height as specified in its style's space_above attribute. Similarly, the flowed content is followed by a vertical space with a height given by the space_below style attribute.

class rinoh.structure.**SectionTitles** (***strings*)
Collection of localized titles for common sections

contents
Title for the table of contents section

Type

String

list_of_figures
Title for the list of figures section

Type

String

list_of_tables
Title for the list of tables section

Type

String

chapter
Label for top-level sections

Type

String

index
Title for the index section

Type

String

5.15.2 Lists

class rinoh.structure.**List** (*list_items*, *start_index=1*, *id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.structure.ListStyle

class rinoh.structure.**DefinitionList** (*flowables*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

5.15.3 Table of Contents

class rinoh.structure.**TableOfContentsSection**

class rinoh.structure.**TableOfContents** (*local=False*, *id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.structure.TableOfContentsStyle

flowables (*container*)
Generator yielding the Flowables to group

class rinoh.structure.**TableOfContentsEntry** (*flowable*, *id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.structure.TableOfContentsEntryStyle

5.15.4 Adminitions

class rinoh.structure.**Admonition** (*flowables*, *title=None*, *type=None*, *id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.structure.AdmonitionStyle

flowables (*container*)
Generator yielding the Flowables to group

class rinoh.structure.**AdmonitionTitles** (***strings*)
Collection of localized titles for common admonitions

`attention`
Title for attention admonitions

Type

String

`caution`
Title for caution admonitions

Type

String

`danger`
Title for danger admonitions

Type

String

`error`
Title for error admonitions

Type

String

`hint`
Title for hint admonitions

Type

String

`important`
Title for important admonitions

Type

String

`note`
Title for note admonitions

Type

String

`tip`
Title for tip admonitions

Type

String

`warning`
Title for warning admonitions

Type

String

`seealso`
Title for see-also admonitions

Type

String

5.15.5 Horizontal Rule

class rinoh.structure.**HorizontalRule** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of rinoh.structure.HorizontalRuleStyle

render (*container*, *descender*, *state*, ***kwargs*)
Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

5.16 Strings (rinoh.strings)

class rinoh.strings.**String** (*description*)
Descriptor used to describe a configurable string

Parameters

description (str) – a short description for this string

class rinoh.strings.**StringCollection** (***strings*)
A collection of related configurable strings

Subclasses

- AdmonitionTitles
- SectionTitles
- UserStrings

class rinoh.strings.**UserStrings** (***strings*)
Collection of user-specified strings
Unlike other string collections, these are not limited to a predefined set.
Attributes:

class rinoh.strings.**Strings** (**string_collections*)
Stores several StringCollections

class rinoh.strings.**StringField** (*strings_class*, *key*, *style=None*, *parent=None*, *source=None*)
Styled text that will be substituted with a configured string
The displayed string is either the localized string as determined by the language set for the document or the user-supplied string passed to the TemplateConfiguration.

5.17 Style (rinoh.style)

class rinoh.style.**Styled** (*id=None*, *style=None*, *parent=None*, *source=None*)
A document element who's style can be configured.

Parameters

style (str, Style) – the style to associate with this element. If style is a string, the corresponding style is lookup up in the document's style sheet by means of selectors.

style_class
The Style subclass that corresponds to this Styled subclass.

property has_id
Filter selection on an ID of this Styled

property has_class
Filter selection on a class of this Styled

property has_classes
Filter selection on a set of classes of this Styled

class rinoh.style.**Style** (*base=None*, ***attributes*)
Dictionary storing style attributes.
The style attributes associated with this Style are specified as class attributes of type Attribute.
Style attributes can also be accessed as object attributes.

hide
Suppress rendering this element
Accepts Bool: true or false
Default: false

5.17.1 Style Sheet

class rinoh.style.**StyleSheet** (*name*, *matcher=None*, *base=None*, *source=None*, *description=None*, *pygments_style=None*, ***user_options*)
Dictionary storing a collection of related styles by name.
Styles stored in a StyleSheet can refer to their base style by name.

Parameters
- name (str) – a label for this style sheet
- matcher (StyledMatcher) – the matcher providing the selectors the styles contained in this style sheet map to. If no matcher is given and base is specified, the base's matcher is used. If base is not set, the default matcher is used.
- base (StyleSheet or str) – the style sheet to extend
- description (str) – a short string describing this style sheet
- pygments_style (str) – the Pygments style to use for styling code blocks

get_selector (*name*)
Find a selector mapped to a style in this or a base style sheet.

Parameters
name (str) – a style name

Returns
Selector – the selector mapped to the style name

Raises
KeyError – if the style name was not found in this or a base style sheet

class rinoh.style.**StyleSheetFile** (*filename*, *base=None*, *source=None*, ***kwargs*)
Loads styles defined in a .rts file (INI format).

Parameters
filename (str) – the path to the style sheet file

StyleSheetFile takes the same optional arguments as StyleSheet. These can also be specified in the [STYLESHEET] section of the style sheet file. If an argument is specified in both places, the one passed as an argument overrides the one specified in the style sheet file.

class rinoh.style.**StyledMatcher** (*mapping_or_iterable=None*, ***kwargs*)

Dictionary mapping labels to selectors.
This matcher can be initialized in the same way as a dict by passing a mapping, an interable and/or keyword arguments.

update (***F* **[**, *E* **]**) → None. Update D from dict/iterable E and F.

If E is present and has a .keys() method, then does: for k in E: D[k] = E[k] If E is present and lacks a .keys() method, then does: for k, v in E: D[k] = v In either case, this is followed by: for k in F: D[k] = F[k]

5.18 Tables (rinoh.table)

class rinoh.table.**Table** (*body*, *head=None*, *align=None*, *width=None*, *column_widths=None*, *id=None*, *style=None*, *parent=None*)

style_class

alias of rinoh.table.TableStyle

prepare (*flowable_target*)

Determine number labels and register references with the document

render (*container*, *last_descender*, *state*, *space_below=0*, ***kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

class rinoh.table.**TableWithCaption** (*flowables*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class

alias of rinoh.table.TableWithCaptionStyle

class rinoh.table.**TableSection** (*rows*, *style=None*, *parent=None*)

prepare (*flowable_target*)

Determine number labels and register references with the document

class rinoh.table.**TableHead** (*rows*, *style=None*, *parent=None*)

class rinoh.table.**TableBody** (*rows*, *style=None*, *parent=None*)

class rinoh.table.**TableRow** (*cells*, *style=None*, *parent=None*)

prepare (*flowable_target*)

Determine number labels and register references with the document

get_rowspanned_columns ( )

Return a dictionary mapping column indices to the number of columns spanned.

class rinoh.table.**TableCell** (*flowables*, *rowspan=1*, *colspan=1*, *id=None*, *style=None*, *parent=None*)

style_class
alias of rinoh.table.TableCellStyle

class rinoh.table.**TableCellBorder** (*rendered_cell*, *cell_height*, *position*, *style=None*)

style_class
alias of rinoh.table.TableCellBorderStyle

class rinoh.table.**TableCellBackground** (*bottom_left*, *width*, *height*, *style=None*, *parent=None*)

style_class
alias of rinoh.table.TableCellBackgroundStyle

class rinoh.table.**VerticalAlign**
Accepts: top, middle, bottom

class rinoh.table.**ListOfTables** (*local=False*, *id=None*, *style=None*, *parent=None*)

class rinoh.table.**ListOfTablesSection**

list_class
alias of rinoh.table.ListOfTables

5.19 Templates (rinoh.template)

Document templates are created by subclassing DocumentTemplate, just like the Chapter 4 shipped with rinohtype.

class rinoh.template.**DocumentTemplate** (*document_tree*, *configuration=None*, *backend=None*)
Template for documents

Parameters
- document_tree (DocumentTree) – a tree of the document's contents
- configuration (TemplateConfiguration) – configuration for this template
- backend – the backend used for rendering the document

language
The main language of the document
Accepts Language: the code of one of the supported languages
Default: EN (English)

strings
Strings to override standard element names
Accepts Strings: strings need to be entered in INI sections named after the StringCollection subclasses
Default: none

stylesheet
The stylesheet to use for styling document elements
Accepts StyleSheet: the name of an Section 3.1 or the filename of a stylesheet file (with the .rts extension)
Default: sphinx (= rinoh.stylesheets.sphinx)

parts
The parts making up this document
Accepts PartsList: a space-separated list of document part template names
Default: (empty list)

Configuration
alias of rinoh.template.DocumentTemplateConfiguration

ConfigurationFile
alias of rinoh.template.DocumentTemplateConfigurationFile

Document templates can be customized by setting values for the configuration attributes defined in a DocumentTemplate subclass in a TemplateConfiguration. An template configuration can be passed as configuration on template instantiation. However, it is better to make use of the document method, however.

class rinoh.template.**TemplateConfiguration** (*name*, *base=None*, *source=None*, *template=None*, *description=None*, ***options*)
Stores a configuration for a DocumentTemplate

Parameters
- name (str) – a label for this template configuration
- base (TemplateConfiguration) – the template configuration to extend
- template (DocumentTemplateMeta or str) – the document template to configure
- description (str) – a short string describing this style sheet
- **options – configuration values for the configuration attributes defined by the document template

template = None
The DocumentTemplate subclass to configure

document (*document_tree*, *backend=None*)
Create a DocumentTemplate object based on the given document tree and this template configuration

Parameters
- document_tree (DocumentTree) – tree of the document's contents
- backend – the backend to use when rendering the document

class rinoh.template.**PartsList** (**parts*)
Stores the names of the document part templates making up a document

Parameters
*parts (list[str]) – the names of the document parts

5.19.1 Document Parts

class rinoh.template.**DocumentPart** (*template*, *document*, *flowables*)
Part of a document.

Parameters
- template (DocumentPartTemplate) – the template that determines the contents and style of this document part
- document (Document) – the document this part belongs to
- flowables (list[Flowable]) – the flowables to render in this document part

configuration_class
alias of rinoh.template.DocumentPartTemplate

add_page (*page*)
Append page (Page) to this DocumentPart.

new_page (*page_number*, *new_chapter*, ***kwargs*)
Called by render() with the Chain`s that need more :class:`Container`s. This method should create a new :class:`Page which contains a container associated with chain.

The document part templates which are listed by name in DocumentTemplate.parts are looked up as attributes of the DocumentTemplate subclass. They are instances of DocumentPartTemplate subclasses:

class rinoh.template.**DocumentPartTemplate** (*base=None*, ***attributes*)
A template that produces a document part
The document part is created given a set of flowables, and page templates. The latter are looked up in the TemplateConfiguration where this part template was.

page_number_format
The format for page numbers in this document part. If it is different from the preceding part's number format, numbering restarts at 1
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: number

end_at_page
The type of page to end this document part on
Accepts PageType: left, right, any
Default: any

drop_if_empty
Exclude this part from the document if it is empty (no flowables)
Accepts Bool: true or false
Default: true

The following document part templates are used in the standard document templates:

class rinoh.template.**TitlePartTemplate** (*base=None*, ***attributes*)
The title page of a document.

drop_if_empty
Overrides the default set in DocumentPartTemplate
Accepts Bool: true or false
Default: false

page_number_format
The format for page numbers in this document part. If it is different from the preceding part's number format, numbering restarts at 1 (inherited from DocumentPartTemplate)
Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman
Default: number

end_at_page
The type of page to end this document part on (inherited from DocumentPartTemplate)
Accepts PageType: left, right, any

Default: any

class rinoh.template.**ContentsPartTemplate** (*base=None*, ***attributes*)

The body of a document.

Renders all of the content present in the DocumentTree passed to the DocumentTemplate.

page_number_format

The format for page numbers in this document part. If it is different from the preceding part's number format, numbering restarts at 1 (inherited from DocumentPartTemplate)

Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman

Default: number

end_at_page

The type of page to end this document part on (inherited from DocumentPartTemplate)

Accepts PageType: left, right, any

Default: any

drop_if_empty

Exclude this part from the document if it is empty (no flowables) (inherited from DocumentPartTemplate)

Accepts Bool: true or false

Default: true

class rinoh.template.**FixedDocumentPartTemplate** (*base=None*, ***attributes*)

A document part template that renders a fixed list of flowables

flowables

The list of flowables to include in this document part

Accepts FlowablesList: Python source code that represents a list of Flowables

Default: []

page_number_format

The format for page numbers in this document part. If it is different from the preceding part's number format, numbering restarts at 1 (inherited from DocumentPartTemplate)

Accepts NumberFormat: none, number, symbol, lowercase character, uppercase character, lowercase roman, uppercase roman

Default: number

end_at_page

The type of page to end this document part on (inherited from DocumentPartTemplate)

Accepts PageType: left, right, any

Default: any

drop_if_empty

Exclude this part from the document if it is empty (no flowables) (inherited from DocumentPartTemplate)

Accepts Bool: true or false

Default: true

5.19.2 Page Templates

The document templates make use of page templates:

class rinoh.template.**PageTemplate** (*base=None*, ***attributes*)

header_footer_distance
Distance of the header and footer to the content area
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 14pt

columns
The number of columns for the body text
Accepts Integer: a natural number (positive integer)
Default: 1

column_spacing
The spacing between columns
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 1cm

header_text
The text to place in the page header
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '{SECTION_NUMBER(1)}' ' ' '{SECTION_TITLE(1)}'

footer_text
The text to place in the page footer
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: '\t' '{PAGE_NUMBER}' '/' '{NUMBER_OF_PAGES}'

chapter_header_text
The text to place in the header on a page that starts a new chapter
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

chapter_footer_text
The text to place in the footer on a page that starts a new chapter
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

chapter_title_flowables
Generator that yields the flowables to represent the chapter title
Accepts FlowablesList: Python source code that represents a list of Flowables
Default: none

chapter_title_height
The height of the container holding the chapter title

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 150pt

page_size
The format of the pages in the document (inherited from PageTemplateBase)
Accepts Paper: the name of a Section 5.12 or <width> * <height> where width and height are Dimensions
Default: A4

page_orientation
The orientation of pages in the document (inherited from PageTemplateBase)
Accepts PageOrientation: portrait, landscape
Default: portrait

left_margin
The margin size on the left of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

right_margin
The margin size on the right of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

top_margin
The margin size at the top of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

bottom_margin
The margin size at the bottom of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

background
An image to place in the background of the page (inherited from PageTemplateBase)
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

after_break_background
An image to place in the background after a page break (inherited from PageTemplateBase)
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

class rinoh.template.**TitlePageTemplate** (*base=None*, ***attributes*)

show_date
Show or hide the document's date
Accepts Bool: true or false
Default: true

show_author
Show or hide the document's author
Accepts Bool: true or false
Default: true

extra
Extra text to include on the title page below the title
Accepts StyledText: a list of styled text strings, separated by spaces. A styled text string is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

page_size
The format of the pages in the document (inherited from PageTemplateBase)
Accepts Paper: the name of a Section 5.12 or <width> * <height> where width and height are Dimensions
Default: A4

page_orientation
The orientation of pages in the document (inherited from PageTemplateBase)
Accepts PageOrientation: portrait, landscape
Default: portrait

left_margin
The margin size on the left of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

right_margin
The margin size on the right of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

top_margin
The margin size at the top of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

bottom_margin
The margin size at the bottom of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

background
An image to place in the background of the page (inherited from PageTemplateBase)
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

after_break_background
An image to place in the background after a page break (inherited from PageTemplateBase)
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed

Default: none

The base class for these collects the common options:

class rinoh.template.**PageTemplateBase** (*base=None*, ***attributes*)

page_size
The format of the pages in the document
Accepts Paper: the name of a Section 5.12 or <width> * <height> where width and height are Dimensions
Default: A4

page_orientation
The orientation of pages in the document
Accepts PageOrientation: portrait, landscape
Default: portrait

left_margin
The margin size on the left of the page
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

right_margin
The margin size on the right of the page
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

top_margin
The margin size at the top of the page
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

bottom_margin
The margin size at the bottom of the page
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

background
An image to place in the background of the page
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

after_break_background
An image to place in the background after a page break
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

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