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# rinoh<sup>type</sup>

## Reference Guide

Release 0.5.3



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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

`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:

```
sphinx-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.



## 3.1 Included Style Sheets

These style sheets are included with rinohtype:

`rinohtypesheets.sphinx`

Mostly a copy of the LaTeX style included with Sphinx  
Entry point name: `sphinx`

`rinohtypesheets.sphinx_article`

The Sphinx stylesheet adjusted for the article template  
Entry point name: `sphinx_article`

`rinohtypesheets.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 `rinohtype --list-stylesheets`.

## 3.2 Default Matcher

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

`rinohtypesheets.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-separated 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** rino.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-separated 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-separated 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, custom  
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 exist for the target, resolve to an empty string instead of making a fuss about it (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-separated 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-separated 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-separated 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-separated 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

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 0x7f661073fa90>]

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 0x7f6610719ee0>, <rinoh.paragraph.Paragraph object at 0x7f6610719910>]

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 0x7f661073fa90>]

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

---

**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 (rino.color)

**class** rino.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** rino.color.**HexColor** ( *string* )

Color defined as a hexadecimal string

Parameters

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

**class** rino.color.**Gray** ( *luminance, alpha=1* )

Shade of gray

Parameters

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

## 5.3 Dimension (rino.dimension)

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

Each dimension is expressed in terms of a unit. Several common units 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** rino.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 (grewed) 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, '1/4')
```

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 separated 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 Suggestimento  
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 position
- **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, custom

```
class rinoh.reference.ReferenceText ( target_id_or_flowable, id=None, style=None,
parent=None )
```

```
style_class
```

alias of rinoh.reference.ReferenceTextStyle

```
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 Admonitions

```
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 StringCol-
        lection 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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