rinohtype

Reference Guide

Release 0.5.6

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rinoh 1

Render a structured document to PDF.

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

--versions
: list versions of rinohtype and related software (for inclusion in bug reports)

--docs
: open the online documentation in the default browser

Sphinx Builder 2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- the filename of a template configuration file,
- a `TemplateConfiguration` instance,

- the name of an installed template (see `rinoh --list-templates`), or
- a `DocumentTemplate` subclass

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

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

rinoh_targets

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

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

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

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

2.1 Legacy Configuration Variables

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

rinoh_template

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

rinoh_stylesheet

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

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

rinoh_paper_size

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

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

[VARIABLES]
```

```
paper_size = A5
```

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

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

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

Style Sheets 3

3.1 Included Style Sheets

These style sheets are included with rinohtype:

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

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

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

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

3.2 Default Matcher

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

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

- bold: `TextStyle`
- monospaced: `TextStyle`
- emphasis: `TextStyle`
- strong: `TextStyle`
- literal emphasis: `TextStyle`
- literal strong: `TextStyle`
- inline math: `TextStyle`
- inline definition: `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`
- equation: `LabeledFlowableStyle`
- equation paragraph: `ParagraphStyle`
- equation label: `EquationLabelStyle`
- graphviz code block: `ParagraphStyle`
- attribution: `ParagraphStyle`
- centered: `ParagraphStyle`
- line block: `ParagraphStyle`
- block quote: `GroupedFlowablesStyle`
- chapter: `SectionStyle`
- content chapter: `SectionStyle`
- heading level 1: `HeadingStyle`
- heading level 1 label: `TextStyle`
- unnumbered heading level 1: `HeadingStyle`
- heading level 2: `HeadingStyle`
- heading level 2 label: `TextStyle`
- unnumbered heading level 2: `HeadingStyle`
- heading level 3: `HeadingStyle`
- heading level 3 label: `TextStyle`
- unnumbered heading level 3: `HeadingStyle`

- heading level 4: `HeadingStyle`
- heading level 4 label: `TextStyle`
- unnumbered heading level 4: `HeadingStyle`
- heading level 5: `HeadingStyle`
- heading level 5 label: `TextStyle`
- 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: `AdmonitionStyle`
- versionmodified title: `ParagraphStyle`
- versionmodified inline title: `TextStyle`
- versionadded: `AdmonitionStyle`
- versionadded title: `ParagraphStyle`
- versionadded inline title: `TextStyle`
- versionremoved: `AdmonitionStyle`
- versionremoved title: `ParagraphStyle`
- versionremoved inline title: `TextStyle`
- versionchanged: `AdmonitionStyle`
- versionchanged title: `ParagraphStyle`
- versionchanged inline title: `TextStyle`
- deprecated: `AdmonitionStyle`
- deprecated title: `ParagraphStyle`
- deprecated inline title: `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 signature space: `TextStyle`
- object signature name: `TextStyle`
- object signature operator: `TextStyle`
- object signature punctuation: `TextStyle`
- object signature keyword: `TextStyle`
- object signature keyword type: `TextStyle`
- object signature literal number: `TextStyle`

- object signature literal string: `TextStyle`
- object signature literal char: `TextStyle`
- object brackets: `TextStyle`
- object optional parameter: `TextStyle`
- object annotation: `TextStyle`
- object description content: `GroupedFlowablesStyle`
- object description content paragraph: `ParagraphStyle`
- inline signature: `TextStyle`
- inline signature texpr: `TextStyle`
- inline signature space: `TextStyle`
- inline signature name: `TextStyle`
- inline signature operator: `TextStyle`
- inline signature punctuation: `TextStyle`
- inline signature keyword: `TextStyle`
- inline signature keyword type: `TextStyle`
- 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 label: `FlowableStyle`
- admonition content: `GroupedFlowablesStyle`
- admonition title: `ParagraphStyle`
- admonition title paragraph: `ParagraphStyle`
- admonition paragraph: `ParagraphStyle`
- admonition inline title: `TextStyle`
- attention admonition: `AdmonitionStyle`
- attention admonition label: `FlowableStyle`
- attention admonition content: `GroupedFlowablesStyle`
- attention admonition title: `ParagraphStyle`
- attention admonition title paragraph: `ParagraphStyle`
- attention admonition paragraph: `ParagraphStyle`
- attention admonition inline title: `TextStyle`
- caution admonition: `AdmonitionStyle`
- caution admonition label: `FlowableStyle`
- caution admonition content: `GroupedFlowablesStyle`
- caution admonition title: `ParagraphStyle`
- caution admonition title paragraph: `ParagraphStyle`
- caution admonition paragraph: `ParagraphStyle`
- caution admonition inline title: `TextStyle`
- danger admonition: `AdmonitionStyle`
- danger admonition label: `FlowableStyle`
- danger admonition content: `GroupedFlowablesStyle`
- danger admonition title: `ParagraphStyle`
- danger admonition title paragraph: `ParagraphStyle`

- danger admonition paragraph: `ParagraphStyle`
- danger admonition inline title: `TextStyle`
- error admonition: `AdmonitionStyle`
- error admonition label: `FlowableStyle`
- error admonition content: `GroupedFlowablesStyle`
- error admonition title: `ParagraphStyle`
- error admonition title paragraph: `ParagraphStyle`
- error admonition paragraph: `ParagraphStyle`
- error admonition inline title: `TextStyle`
- hint admonition: `AdmonitionStyle`
- hint admonition label: `FlowableStyle`
- hint admonition content: `GroupedFlowablesStyle`
- hint admonition title: `ParagraphStyle`
- hint admonition title paragraph: `ParagraphStyle`
- hint admonition paragraph: `ParagraphStyle`
- hint admonition inline title: `TextStyle`
- important admonition: `AdmonitionStyle`
- important admonition label: `FlowableStyle`
- important admonition content: `GroupedFlowablesStyle`
- important admonition title: `ParagraphStyle`
- important admonition title paragraph: `ParagraphStyle`
- important admonition paragraph: `ParagraphStyle`
- important admonition inline title: `TextStyle`
- note admonition: `AdmonitionStyle`
- note admonition label: `FlowableStyle`
- note admonition content: `GroupedFlowablesStyle`
- note admonition title: `ParagraphStyle`
- note admonition title paragraph: `ParagraphStyle`
- note admonition paragraph: `ParagraphStyle`
- note admonition inline title: `TextStyle`
- tip admonition: `AdmonitionStyle`
- tip admonition label: `FlowableStyle`
- tip admonition content: `GroupedFlowablesStyle`
- tip admonition title: `ParagraphStyle`
- tip admonition title paragraph: `ParagraphStyle`
- tip admonition paragraph: `ParagraphStyle`
- tip admonition inline title: `TextStyle`
- warning admonition: `AdmonitionStyle`
- warning admonition label: `FlowableStyle`
- warning admonition content: `GroupedFlowablesStyle`
- warning admonition title: `ParagraphStyle`
- warning admonition title paragraph: `ParagraphStyle`
- warning admonition paragraph: `ParagraphStyle`
- warning admonition inline title: `TextStyle`
- seealso admonition: `AdmonitionStyle`
- seealso admonition label: `FlowableStyle`
- seealso admonition content: `GroupedFlowablesStyle`
- seealso admonition title: `ParagraphStyle`
- seealso admonition title paragraph: `ParagraphStyle`
- seealso admonition paragraph: `ParagraphStyle`
- seealso admonition inline title: `TextStyle`
- header: `ParagraphStyle`
- footer: `ParagraphStyle`

- footnote: `NoteStyle`
- footnote marker: `NoteMarkerStyle`
- footnote paragraph: `ParagraphStyle`
- footnote label: `ParagraphStyle`
- citation: `NoteStyle`
- citation marker: `NoteMarkerStyle`
- citation paragraph: `ParagraphStyle`
- citation label: `ParagraphStyle`
- image: `FlowableStyle`
- inline image: `InlineFlowableStyle`
- figure: `FigureStyle`
- figure image: `FlowableStyle`
- figure caption: `CaptionStyle`
- figure legend: `GroupedFlowablesStyle`
- figure legend paragraph: `ParagraphStyle`
- image alt: `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`
- toc level 4: `TableOfContentsEntryStyle`
- toc level 5: `TableOfContentsEntryStyle`
- toc level 6: `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 background: `TableCellBackgroundStyle`
- 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`, `any restart`, `left restart`, `right restart`
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
Custom label to override the default
Accepts `FlowablesList`: Python source code that represents a list of `Flowable`s

Default: `none`

`label_position`
Where to place the label
Accepts `LabelPosition`: `left`, `right`
Default: `left`

`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`, `any restart`, `left restart`, `right restart`
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`
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: `fill` (overrides `FlowableStyle` default)

`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`

`same_page`
Keep all flowables on a single page, if possible.
Accepts `Bool`: `true` or `false`
Default: `false`

`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`, `any restart`, `left restart`, `right restart`
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 current page, to a dedicated page, or side-

ways to a dedicated page
Accepts `FloatLocation`: `none`, `here`, `sideways`
Default: `None`

`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`, `any restart`, `left restart`, `right restart`
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`

How numbers are formatted (inherited from `ParagraphStyle`)

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

Default: `number` (overrides `ParagraphStyle` 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: `1` (overrides `ParagraphStyle` default)

`width`

Width to render the flowable at (inherited from `ParagraphStyle`)

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

Default: `fill`

`indent_first`

Indentation of the first line of text (inherited from `ParagraphStyle`)

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

Default: `0pt`

`line_spacing`

Spacing between the baselines of two successive lines of text (inherited from `ParagraphStyle`)

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

Default: `default`

`text_align`

Alignment of text to the margins (inherited from `ParagraphStyle`)

Accepts `TextAlign`: `left`, `right`, `center`, `justify`

Default: `justify`

`tab_stops`

List of tab positions (inherited from `ParagraphStyle`)

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

Default: (no value)

`number_separator`

Characters inserted between the number label of this element's parent and this element's own number label. If `None`, only show this item's number label. (inherited from `ParagraphStyle`)

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

braces: `'text string' (style name)`
Default: `'.'`

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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

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

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

3.3.8 FigureStyle

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

float
Float the flowable to the top or bottom of the current page, to a dedicated page, or sideways to a dedicated page (inherited from `FloatStyle`)
Accepts `FloatLocation`: `none`, `here`, `sideways`

Default: `None`

`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`, `any restart`, `left restart`, `right restart`
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

same_page
Keep all flowables on a single page, if possible. (inherited from GroupedFlowablesStyle)
Accepts Bool: true or false
Default: false

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

same_page
Keep all flowables on a single page, if possible. (inherited from GroupedFlowablesStyle)
Accepts Bool: true or false
Default: false

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`, `any restart`, `left restart`, `right restart`
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`
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: `fill` (overrides `FlowableStyle` default)

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

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

text_align
Alignment of text to the margins
Accepts TextAlign: left, right, center, justify
Default: justify

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

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

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`, `any restart`, `left restart`, `right restart`
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`

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

no_break_after
Prevent a line break after these words
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words

Default: `language-default`

`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`, `any restart`, `left restart`, `right restart`
Default: `None`

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

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

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

3.3.13 ReferencingParagraphStyle

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

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

`width`
Width to render the flowable at (inherited from `ParagraphStyle`)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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
How the reference should be displayed (inherited from `ReferenceStyle`)
Accepts `ReferenceType`: `reference`, `number`, `title`, `page`, `custom`
Default: `number` (overrides `ReferenceStyle` default)

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

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

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`

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

`same_page`
Keep all flowables on a single page, if possible. (inherited from `GroupedFlowablesStyle`)
Accepts `Bool`: `true` or `false`
Default: `false`

`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`, `any restart`, `left restart`, `right restart`
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`
Keep this flowable and the next on the same page (inherited from `FlowableStyle`)
Accepts `Bool`: `true` or `false`
Default: `true` (overrides `FlowableStyle` 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: `-1` (overrides `ParagraphStyle` default)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Default: `none`

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

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

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

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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

`same_page`
Keep all flowables on a single page, if possible. (inherited from `GroupedFlowablesStyle`)
Accepts `Bool`: `true` or `false`
Default: `false`

`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`, `any restart`, `left restart`, `right restart`

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`

`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: (no value) (overrides `ParagraphStyle` default)

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

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

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

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

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

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

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`, `any restart`, `left restart`, `right restart`
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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

same_page
Keep all flowables on a single page, if possible. (inherited from `GroupedFlowablesStyle`)

Accepts `Bool`: `true` or `false`
Default: `false`

`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`, `any restart`, `left restart`, `right restart`
Default: `None`

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

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

`line_spacing`
Spacing between the baselines of two successive lines of text (inherited from

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

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

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

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

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

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

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

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

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

Default: `false`

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

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

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

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

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

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

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

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

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

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

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

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

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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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
The text content of this paragraph (inherited from `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}'` (overrides `ReferencingParagraphStyle` default)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

label
Custom label to override the default (inherited from `LabeledFlowableStyle`)
Accepts `FlowablesList`: Python source code that represents a list of `Flowable`s
Default: `none`

label_position
Where to place the label (inherited from `LabeledFlowableStyle`)
Accepts `LabelPosition`: `left`, `right`
Default: `left`

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

label_max_width
Maximum label width (inherited from LabeledFlowableStyle)
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 (inherited from LabeledFlowableStyle)
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 (inherited from LabeledFlowableStyle)
Accepts Bool: true or false
Default: true

wrap_label
Wrap the label at *label_max_width* (inherited from LabeledFlowableStyle)
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`, `any restart`, `left restart`, `right restart`
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`, `any restart`, `left restart`, `right restart`
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; `Dimension`s (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`, `any restart`, `left restart`, `right restart`
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

same_page
Keep all flowables on a single page, if possible. (inherited from GroupedFlowablesStyle)
Accepts Bool: true or false
Default: false

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`, `any restart`, `left restart`, `right restart`
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
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: `none` (overrides `LineStyle` default)

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
Color to fill the shape (inherited from `ShapeStyle`)
Accepts `Color`: HEX string with optional alpha component (`#RRGGBB`, `#RRGGBBAA`, `#RGB` or `#RGBA`)
Default: `none` (overrides `ShapeStyle` default)

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: `none` (overrides `LineStyle` default)

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

Default: `false`

Standard Document Templates 4

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

4.1 Article

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

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

`stylesheet`
The stylesheet to use for styling document elements (inherited from `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`) (overrides `:attr:`DocumentTemplate` default)

`abstract_location`
Where to place the abstract
Accepts `AbstractLocation`: `title`, `body`
Default: `title`

`parts`
The parts making up this document (inherited from `DocumentTemplate`)
Accepts `PartsList`: a space-separated list of document part template names
Default: `contents` (overrides `DocumentTemplate` default)

`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 in a section named 'STRINGS'
Default: `none`

`Attributes`
contents (`ArticleContentsPartTemplate`): base: `None`

Overrides these defaults:

- `page_number_format` = `number`

page (`ArticleBodyPageTemplate`): base: `None`

Overrides these defaults:

- `page_size` = `$(paper_size)`
- `left_margin` = `1.2cm`
- `right_margin` = `1.2cm`
- `top_margin` = `1.8cm`
- `bottom_margin` = `1.6cm`
- `header_footer_distance` = `2pt`

contents_page (`ArticleBodyPageTemplate`): base: `page`

`Configuration`
alias of `ArticleConfiguration`

`ConfigurationFile`
alias of `ArticleConfigurationFile`

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

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`
The stylesheet to use for styling document elements (inherited from `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`) (overrides `:attr:`DocumentTemplate` default)

`parts`
The parts making up this document (inherited from `DocumentTemplate`)
Accepts `PartsList`: a space-separated list of document part template names
Default: `title front_matter contents back_matter` (overrides `DocumentTemplate` default)

`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 in a section named 'STRINGS'
Default: `none`

Attributes

cover (FixedDocumentPartTemplate): base: None

Overrides these defaults:

- drop_if_empty = False
- page_number_format = None
- end_at_page = left

title (TitlePartTemplate): base: None

Overrides these defaults:

- page_number_format = number
- end_at_page = left

front_matter (FixedDocumentPartTemplate): base: None

Overrides these defaults:

- flowables = [TableOfContentsSection(), ListOfFiguresSection(), ListOfTablesSection()]
- page_number_format = lowercase roman
- end_at_page = left

contents (ContentsPartTemplate): base: None

Overrides these defaults:

- page_number_format = number
- end_at_page = left

back_matter (BackMatterTemplate): base: None

Overrides these defaults:

- page_number_format = continue
- end_at_page = left

page (BodyPageTemplate): base: None

Overrides these defaults:

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

cover_page (BodyPageTemplate): base: page title_page (TitlePageTemplate): base: page front_matter_page (BodyPageTemplate): base: page

Overrides these defaults:

- header_footer_distance = 0
- header_text = None

front_matter_right_page (BodyPageTemplate): 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 0x7f5e9b9c9a90>]
- sideways = right

front_matter_left_page (BodyPageTemplate): base: front_matter_page

Overrides these defaults:

- footer_text = '{PAGE_NUMBER}'
- sideways = left

contents_page (BodyPageTemplate): base: page

Overrides these defaults:

- header_footer_distance = 0

contents_right_page (BodyPageTemplate): 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 0x7f5e9b7fd810>, <rinoh.paragraph.Paragraph object at 0x7f5e9b7fda90>]
- sideways = right

contents_left_page (BodyPageTemplate): base: contents_page

Overrides these defaults:

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

back_matter_page (BodyPageTemplate): base: page

Overrides these defaults:

- columns = 2
- header_footer_distance = 0

back_matter_right_page (BodyPageTemplate): 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 0x7f5e9b9c9a90>]
- sideways = right

back_matter_left_page (BodyPageTemplate): base: back_matter_page

Overrides these defaults:

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

Configuration

alias of BookConfiguration

ConfigurationFile
alias of `BookConfigurationFile`

API Documentation 5

Note

The API documentation is still incomplete.

5.1 Attribute (`rinoh.attribute`)

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

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

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

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

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

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

`find_source` (*name*)
Find top-most ruleset where configuration *name* is defined

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

property `location`
Textual representation of this source

property `root`
Directory path for resolving paths relative to this source

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

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

exception `rinoh.attribute.`**`ParseError`**

5.2 Color (`rinoh.color`)

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

Parameters

red : float
red component (0 .. 1)

blue : float
blue component (0 .. 1)

green : float
green component (0 .. 1)

alpha : float
opacity (0 .. 1)

property `rgba`

classmethod `parse_string` (*string*, *source*)

classmethod `doc_format` ( )

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

Parameters

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

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

Parameters

luminance : float
brightness (0 .. 1)

alpha : float
opacity (0 .. 1)

5.3 Dimension (`rinoh.dimension`)

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

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

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

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

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

Parameters

value : int or float
the magnitude of the dimension

unit : DimensionUnit
the unit this dimension is expressed in. Default: `PT`.

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

Parameters

value : int or float
the amount to add to the magnitude of this dimension

Returns

`Dimension` – this (growed) dimension itself

`rinoh.dimension.`**PT** = `DimensionUnit(1.0, 'pt')`
PostScript points

`rinoh.dimension.`**PICA** = `DimensionUnit(12.0, 'pc')`
computer pica

`rinoh.dimension.`**INCH** = `DimensionUnit(72.0, 'in')`
imperial/US inch

`rinoh.dimension.`**MM** = `DimensionUnit(2.8346456692913384, 'mm')`
millimeter

`rinoh.dimension.`**CM** = `DimensionUnit(28.346456692913385, 'cm')`
centimeter

`rinoh.dimension.`**PERCENT** = `FractionUnit(100, '%')`
fraction of 100

`rinoh.dimension.`**QUARTERS** = `FractionUnit(4, '/4')`
fraction of 4

5.4 Document (`rinoh.document`)

class `rinoh.document.`**DocumentTree** (*flowables*, *options=None*, *style=None*, *source=None*)
Holds the document's contents as a tree of flowables

Parameters

flowables : list[Flowable]
the list of top-level flowables

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
user-defined string variables and can override localized strings provided by *language*

backend=None
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'*, *display_sideways=None*)
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

display_sideways : Sideways
display the page rotated

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`

class `rinoh.document.`**PageNumberFormat**
How (or if) page numbers are displayed
Accepts: `none`, `number`, `symbol`, `lowercase character`, `uppercase character`,

`lowercase roman, uppercase roman, continue`

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 `LineStyle`

class `rinoh.draw.`**`Shape`** (*style=None*, *parent=None*)

Base class for closed shapes

`style_class`
alias of `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*, *source=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*, *source=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*, *source=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 `LabeledFlowableStyle`

`prepare` (*flowable_target*)
Determine number labels and register references with the document

`render` (*container*, *last_descender*, *state*, *label_column_width=None*, *space_below=0*, ***kwargs*)
Renders the flowable's content to *container*, with the flowable's top edge lining up with the container's cursor. *descender* is the descender height of the preceding line or *None*.

class `rinoh.flowable.`**`LabeledFlowableState`** (*flowable*, *content_flowable_state*, *_initial=True*)

5.6.3 Grouping Flowables

class `rinoh.flowable.`**`GroupedFlowables`** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

Groups a list of flowables and renders them one below the other.

Makes sure that a flowable for which *keep_with_next* is enabled is not seperated from the flowable that follows it.

Subclasses should implement `flowables()`.

`style_class`

alias of `GroupedFlowablesStyle`

`flowables` (*container*)

Generator yielding the `Flowable`s 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 `Flowable`s 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.

style_class
alias of `FloatStyle`

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_metrics (*char*, *variant*)
Return the glyph metrics 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 metrics

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**
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*, *alt=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*, *alt=None*, *baseline=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

arguments
alias of `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*, *alt=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 `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 `CaptionStyle`

class `rinoh.image.`**Figure** (*flowables*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of `FigureStyle`

class `rinoh.image.`**ListOfFiguresSection**

list_class
alias of `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 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*, ***localized_strings*)
Collects localized strings for a particular language

Parameters

code : str
short code identifying the language

name : str
native name of the language

paragraph
label for referencing paragraphs

section
label for referencing sections

chapter
label for top-level sections

figure
caption label for figures

table
caption label for tables

listing
caption label for (source code) listings

contents
title for the table of contents section

list_of_figures
title for the list of figures section

list_of_tables
title for the list of tables section

index
title for the index section

attention
title for attention admonitions

caution
title for caution admonitions

danger
title for danger admonitions

error
title for error admonitions

hint
title for hint admonitions

important
title for important admonitions

note
title for note admonitions

tip title for tip admonitions

warning
title for warning admonitions

seealso
title for see-also admonitions

`languages`
Dictionary mapping codes to `Language`s

The following languages are supported:

`rinoh.language.`**`CS`** = `Language('cs', 'Česky')`
Localized strings for Česky :figure: Obrázek :table: Tabulka :contents: Obsah :list_of_figures: Seznam obrázků :list_of_tables: Seznam tabulek :chapter: Kapitola :index: Rejstřík :attention: Pozor! :caution: Pozor! :danger: !NEBEZPEČÍ! :error: Chyba :hint: Poznámka :important: Důležité :note: Poznámka :tip: Tip :warning: Varování :seealso: Viz také

`rinoh.language.`**`EN`** = `Language('en', 'English')`
Localized strings for English :paragraph: Paragraph :section: Section :chapter: Chapter :figure: Figure :table: Table :listing: Listing :equation: Equation :contents: Table of Contents :list_of_figures: List of Figures :list_of_tables: List of Tables :index: Index :attention: Attention! :caution: Caution! :danger: !DANGER! :error: Error :hint: Hint :important: Important :note: Note :tip: Tip :warning: Warning :seealso: See also

`rinoh.language.`**`ES`** = `Language('es', 'Spanish')`
Localized strings for Spanish :figure: Figura :table: Tabla :contents: Contenidos :list_of_figures: Índice de figuras :list_of_tables: Índice de tablas :chapter: Capítulo :index: Índice :attention: ¡Atención! :caution: ¡Cuidado! :danger: ¡PELIGRO! :error: Error :hint: Pista

:important: Importante :note: Nota :tip: Consejo :warning: Precaución :seealso: Vea también

`rinoh.language.`**`FR`** = `Language('fr', 'Français')`
Localized strings for Français :figure: Figure :table: Tableau :contents: Table des Matières :list_of_figures: Liste des Figures :list_of_tables: Liste des Tableaux :chapter: Chapitre :index: Index :attention: Attention! :caution: Prudence! :danger: !DANGER! :error: Erreur :hint: Conseil :important: Important :note: Note :tip: Astuce :warning: Avertissement :seealso: Voir aussi

`rinoh.language.`**`HU`** = `Language('hu', 'Hungarian')`
Localized strings for Hungarian :contents: Tartalomjegyzék :list_of_figures: Ábrák Listája :list_of_tables: Asztalok Listája :chapter: Fejezet :index: Index :attention: Figyelem! :caution: Vigyázat!! :danger: !VESZÉLY! :error: Hiba :hint: Tanács :important: Fontos :note: Megjegyzés :tip: Tipp :warning: Figyelmeztetés :seealso: Lásd még

`rinoh.language.`**`IT`** = `Language('it', 'Italiano')`
Localized strings for Italiano :figure: Figura :table: Tabelle :contents: Contenuti :list_of_figures: Elenco delle Figure :list_of_tables: Elenco delle Tabelle :chapter: Capitolo :index: Indice :attention: Attenzione! :caution: Prudenza! :danger: !PERICOLO! :error: Errore :hint: Consiglio :important: Importante :note: Nota :tip: Suggerimento :warning: Avvertimento :seealso: Vedi anche

`rinoh.language.`**`NL`** = `Language('nl', 'Nederlands')`
Localized strings for Nederlands :paragraph: Paragraaf :section: Sectie :chapter: Hoofdstuk :figure: Figuur :table: Tabel :listing: Lijst :contents: Inhoudsopgave :list_of_figures: Lijst van Figuren :list_of_tables: Lijst van Tabellen :index: Index :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 :figure: Ilustracja :table: Tabela :contents: Spis Treści :list_of_figures: Spis Ilustracji :list_of_tables: Spis Tabel :chapter: Rozdział :index: Skorowidz :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`)

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.`**`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)

class `rinoh.number.`**`LabelStyle`** (*base=None*, ***attributes*)
Style class for `Label`

label_prefix
Text to prepend to the 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: (no value)

label_suffix
Text to append to the 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: (no value)

custom_label
Use a custom label if specified
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.`**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`

`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 `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*, *language*, *span_index=0*, *group_index=0*, *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 `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=None
see `Styled`

parent=None
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

class `rinoh.text.`**`NoBreakAfter`** (*iterable=()*, */Positional-only parameter separator (PEP 570)*)
List of words after which no line break will be allowed

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 `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
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`** (*metrics*, *width*, *char*)

class `rinoh.paragraph.`**`GlyphsSpan`** (*span*, *chars_to_glyphs*, *glyphs*=`[]`)

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.`**`ReferenceStyle`** (*base*=`None`, ***attributes*)
Style class for `Reference`

`type`
How the reference should be displayed
Accepts `ReferenceType`: `reference`, `number`, `title`, `page`, `custom`
Default: `reference`

`link`
Create a hyperlink to the reference target
Accepts `Bool`: `true` or `false`
Default: `true`

quiet
If the given reference type does not existfor the target, resolve to an empty stringinstead of making a fuss about it
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`

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

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`

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.`**`ReferencingParagraph`** (*target_id_or_flowable*, *id=None*, *style=None*, *parent=None*)

`style_class`
alias of `ReferencingParagraphStyle`

`target_style` (*document*)
Filter selection on the `style` attribute of the target flowable

`target_has_class` (*document*)
Filter selection on a class of the target flowable

`target_has_classes` (*document*)
Filter selection on a set of classes of the target flowable

`target_is_of_type` (*document*)
Filter selection on the type of the target flowable

class `rinoh.reference.`**`Note`** (*flowable*, *id=None*, *style=None*, *parent=None*)

`style_class`
alias of `NoteStyle`

`flow` (*container*, *last_descender*, *state=None*, *footnote=False*, ***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.reference.`**`NoteStyle`** (*base=None*, ***attributes*)
Style class for `Note`

`location`
Where to place the note
Accepts `NoteLocation`: `in-place`, `footer`

Default: `footer`

`label`
Custom label to override the default (inherited from `LabeledFlowableStyle`)
Accepts `FlowablesList`: Python source code that represents a list of `Flowable`s
Default: `none`

`label_position`
Where to place the label (inherited from `LabeledFlowableStyle`)
Accepts `LabelPosition`: `left`, `right`
Default: `left`

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

`label_max_width`
Maximum label width (inherited from `LabeledFlowableStyle`)
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 (inherited from `LabeledFlowableStyle`)
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 (inherited from `LabeledFlowableStyle`)
Accepts `Bool`: `true` or `false`
Default: `true`

`wrap_label`
Wrap the label at *label_max_width* (inherited from `LabeledFlowableStyle`)
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`, `any restart`, `left restart`, `right restart`
Default: `None`

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

class `rinoh.reference.`**`NoteMarkerBase`** (*custom_label=None*, ***kwargs*)

`style_class`
alias of `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

content : StyledText
this heading's text

`style_class`
alias of `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.

5.15.2 Lists

class `rinoh.structure.`**`List`** (*list_items*, *start_index=1*, *id=None*, *style=None*, *parent=None*)

`style_class`
alias of `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`

`same_page`
Keep all flowables on a single page, if possible. (inherited from `GroupedFlowablesStyle`)
Accepts `Bool`: `true` or `false`
Default: `false`

`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, any restart, left restart, right restart
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

class rinoh.structure.**ListItem** (*flowable*, *id=None*, *style=None*, *parent=None*)

class rinoh.structure.**ListItemLabel** (*custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of ListItemLabelStyle

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

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: (no value) (overrides ParagraphStyle default)

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

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

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

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

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

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

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`, `any restart`, `left restart`, `right restart`
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`

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

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 `TableOfContentsStyle`

flowables (*container*)
Generator yielding the `Flowables` to group

class `rinoh.structure.`**TableOfContentsEntry** (*flowable*, *id=None*, *style=None*, *parent=None*)

style_class
alias of `TableOfContentsEntryStyle`

5.15.4 List of …

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

Style class for `ListOf`

`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`

`same_page`
Keep all flowables on a single page, if possible. (inherited from `GroupedFlowablesStyle`)
Accepts `Bool`: `true` or `false`
Default: `false`

`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`, `any restart`, `left restart`, `right restart`
Default: `None`

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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)

class rinoh.structure.**ListOfEntryStyle** (*base=None*, ***attributes*)
Style class for ListOfEntry

text
The text content of this paragraph (inherited from 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: '{REFERENCE}' ': ' '{TITLE}' '\t' '{PAGE}' (overrides ReferencingParagraphStyle default)

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

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

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

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

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

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

`uppercase character`, `lowercase roman`, `uppercase roman`
Default: `None`

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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`

no_break_after
Prevent a line break after these words (inherited from `TextStyle`)
Accepts `NoBreakAfter`: `language-default`, or a space-separated list of words
Default: `language-default`

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`

5.15.5 Admonitions

class `rinoh.structure.`**Admonition** (*label*, *flowable*, *title=None*, *type=None*, *id=None*, *style=None*, *parent=None*)

style_class
alias of `AdmonitionStyle`

5.15.6 Horizontal Rule

class `rinoh.structure.`**HorizontalRule** (*align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class
alias of `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.`**Strings**
Stores several `StringCollections`

class `rinoh.strings.`**StringField** (*key*, *style=None*, *parent=None*, *source=None*, *user=False*)
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.
`Style`s 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 mapping/iterable E and F.

If E is present and has a .keys() method, then does: for k in E.keys(): 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 `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 `TableWithCaptionStyle`

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

Style class for `TableWithCaption`

`float`

Float the flowable to the top or bottom of the current page, to a dedicated page, or sideways to a dedicated page (inherited from `FloatStyle`)

Accepts `FloatLocation`: `none`, `here`, `sideways`

Default: `None`

`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`, `any restart`, `left restart`, `right restart`
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`

same_page
Keep all flowables on a single page, if possible. (inherited from `GroupedFlowablesStyle`)
Accepts `Bool`: `true` or `false`
Default: `false`

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 `TableCellStyle`

class `rinoh.table.`**TableCellBorder** (*rendered_cell*, *cell_height*, *position*, *style=None*)

style_class
alias of `TableCellBorderStyle`

class `rinoh.table.`**TableCellBackground** (*bottom_left*, *width*, *height*, *style=None*, *parent=None*)

style_class
alias of `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 `ListOfTables`

5.19 Templates (`rinoh.template`)

5.19.1 Documents

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=None
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 in a section named 'STRINGS'
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` (= :data:`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 `DocumentTemplateConfiguration`

`ConfigurationFile`
alias of `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

source : str
the source of this configuration (e.g. a file path)

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=None
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

5.19.2 Document Parts

class `rinoh.template.`**`DocumentPart`** (*template*, *document*, *flowables*, *last_number_format*)
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 `DocumentPartTemplate`

`add_page` (*page*)
Append *page* (`Page`) to this `DocumentPart`.

`new_page` (*page_number*, *chain*, *new_chapter*, *sideways=False*)
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_prefix`

Text to place in front ofthe page number.

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_number_format`

The format for page numbers in this document part.

Accepts `PageNumberFormat`: `none`, `number`, `symbol`, `lowercase character`, `uppercase character`, `lowercase roman`, `uppercase roman`, `continue`

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`

Exclude this part from the document if it is empty (no flowables) (inherited from `DocumentPartTemplate`)

Accepts `Bool`: `true` or `false`

Default: `false` (overrides `DocumentPartTemplate` default)

`page_number_prefix`

Text to place in front ofthe page number. (inherited from `DocumentPartTemplate`)

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_number_format`

The format for page numbers in this document part. (inherited from `DocumentPartTemplate`)

Accepts `PageNumberFormat`: `none`, `number`, `symbol`, `lowercase character`, `uppercase character`, `lowercase roman`, `uppercase roman`, `continue`

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_prefix`

Text to place in front ofthe page number. (inherited from `DocumentPartTemplate`)

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_number_format`

The format for page numbers in this document part. (inherited from `DocumentPartTemplate`)

Accepts `PageNumberFormat`: `none`, `number`, `symbol`, `lowercase character`, `uppercase character`, `lowercase roman`, `uppercase roman`, `continue`

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 `Flowable`s

Default: `[]`

`page_number_prefix`

Text to place in front ofthe page number. (inherited from `DocumentPartTemplate`)

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_number_format`

The format for page numbers in this document part. (inherited from `DocumentPartTemplate`)

Accepts `PageNumberFormat`: `none`, `number`, `symbol`, `lowercase character`, `uppercase character`, `lowercase roman`, `uppercase roman`, `continue`

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

5.19.3 Page Templates

The document templates make use of page templates:

class rinoh.template.**BodyPageTemplateBase** (*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}'

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`

sideways
Rotate sideways pages to the left or right (inherited from `PageTemplateBase`)
Accepts `Sideways`: `left`, `right`
Default: `right`

class `rinoh.template.`**BodyPageTemplate** (*base=None*, ***attributes*)

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 `Flowable`s
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: `none`

header_footer_distance
Distance of the header and footer to the content area (inherited from `BodyPageTemplateBase`)
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 (inherited from `BodyPageTemplateBase`)
Accepts `Integer`: a natural number (positive integer)
Default: `1`

column_spacing
The spacing between columns (inherited from `BodyPageTemplateBase`)
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 (inherited from `BodyPageTemplateBase`)
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 (inherited from `BodyPageTemplateBase`)
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}'`

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 `Dimension`s
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`

sideways
Rotate sideways pages to the left or right (inherited from `PageTemplateBase`)
Accepts `Sideways`: `left`, `right`
Default: `right`

class `rinoh.template.`**`TitlePageTemplate`** (*base=None*, ***attributes*)

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 `Dimension`s
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

sideways
Rotate sideways pages to the left or right (inherited from PageTemplateBase)
Accepts Sideways: left, right
Default: right

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`

`sideways`
Rotate sideways pages to the left or right
Accepts `Sideways`: `left`, `right`
Default: `right`

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