
rinoh^{type}

Reference Guide

Release 0.5.3

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Render a structured document to PDF.

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

input

the document to render

-h, --help

show this help message and exit

-f <format>, --format <format>

the format of the input file (default: autodetect)

-o <option=value>, --option <option=value>

options to be passed to the input file reader

-t <name or filename>, --template <name or filename>

the document template or template configuration file to use (default: article)

-s <name or filename>, --stylesheet <name or filename>

the style sheet used to style the document elements (default: the template's default)

-O <filename or directory>, --output <filename or directory>

write the PDF output to FILENAME or to an existing DIRECTORY with a filename derived from the input filename (default: the current working directory)

-p <paper>, --paper <paper>

the paper size to render to (default: the template's default)

-i, --install-resources

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

--list-templates

list the installed document templates and exit

--list-stylesheets

list the installed style sheets and exit

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

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

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

--version
show program's version number and exit

--docs
open the online documentation in the default browser

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

`rinoh_documents`

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

`doc` (required)

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

`target` (required)

The name of the target PDF file without the extension.

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

`logo` (no default)

Path (absolute or relative to the location of the `conf.py` file) to an image file, typically included on the title page.

`title` (default: "project documentation")

The title of the document.

`subtitle` (default: "Release release")

Subtitle of the document.

`author` (default: "author")

The document's author.

`date` (default: determined from today and today_fmt)

The document (build) date.

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

`toctree_only` (default: False)

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

`domain_indices` (default: True)

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

`template` (default: Book)

Determines the template used to render the document. It takes:

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

- a `DocumentTemplate` subclass

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

Example:

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

`rinoh_targets`

Limits rendering to the specified set of targets. This variable accepts either a list of strings or a string containing comma-separated values. The target names should match those set in `rinoh_documents`.

To render only the ‘manual’ target, you can set the following in `conf.py`:

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

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

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

2.1 Legacy Configuration Variables

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

`rinoh_template`

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

`rinoh_stylesheet`

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

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

`rinoh_paper_size`

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

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

[VARIABLES]
paper_size = A5
```


rinoh_logo

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

rinoh_domain_indices

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

rinoh_metadata

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

3.1 Included Style Sheets

These style sheets are included with rinohtype:

`rinohtypesheets.sphinx`

Mostly a copy of the LaTeX style included with Sphinx

Entry point name: `sphinx`

`rinohtypesheets.sphinx_article`

The Sphinx stylesheet adjusted for the article template

Entry point name: `sphinx_article`

`rinohtypesheets.sphinx_base14`

The Sphinx stylesheet, but using the fonts from the PDF core set (yielding smaller PDF files)

Entry point name: `sphinx_base14`

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

3.2 Default Matcher

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

`rinohtypesheets.matcher`

The default matcher defines the following styles

- title page rule: `HorizontalRuleStyle`
- title page logo: `FlowableStyle`
- title page title: `ParagraphStyle`
- title page subtitle: `ParagraphStyle`
- title page author: `ParagraphStyle`
- title page date: `ParagraphStyle`
- title page extra: `ParagraphStyle`
- front matter section title: `ParagraphStyle`
- body matter chapter label: `ParagraphStyle`
- body matter chapter number: `TextStyle`
- body matter chapter title: `ParagraphStyle`
- fallback: `TextStyle`
- italic: `TextStyle`

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

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

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

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

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

3.3 Element Style Classes

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

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

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

3.3.1 LineStyle

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

Style class for Line

stroke

Width and color used to draw the line

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: 1pt, #000

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.2 ShapeStyle

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

Style class for Shape

fill_color

Color to fill the shape

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

Default: #e5e5e5

stroke

Width and color used to draw the line (inherited from LineStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: 1pt, #000

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.3 FlowableStyle

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

Style class for Flowable

width

Width to render the flowable at

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

Default: auto

horizontal_align

Horizontal alignment of the flowable

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable

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

Default: 0

space_below

Vertical space following the flowable

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

Default: 0

margin_left

Left margin

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

Default: 0

margin_right

Right margin

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

Default: 0

padding

Padding

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

Default: 0

padding_left

Left padding

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

Default: 0

padding_right

Right padding

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

Default: 0

padding_top

Top padding

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

Default: 0

padding_bottom

Bottom padding

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders

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

Default: none

page_break

Type of page break to insert before rendering this flowable

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.4 LabeledFlowableStyle

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

Style class for LabeledFlowable

label_min_width

Minimum label width

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

Default: 12pt

label_max_width

Maximum label width

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

Default: 80pt

label_spacing

Spacing between a label and the labeled flowable

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

Default: 3pt

align_baselines

Line up the baselines of the label and the labeled flowable

Accepts Bool: true or false

Default: true

wrap_label

Wrap the label at label_max_width

Accepts Bool: true or false

Default: false

width

Width to render the flowable at (inherited from FlowableStyle)

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

Default: auto

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a

comma (,)
Default: none

border_bottom

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

background_color

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

page_break

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

hide

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

3.3.5 GroupedFlowablesStyle

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

Style class for GroupedFlowables

width

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

title

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

flowable_spacing

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

horizontal_align

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

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

space_below

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

margin_left

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

margin_right

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

padding

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

padding_left

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

padding_right

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

padding_top

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

padding_bottom

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

keep_with_next

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

border

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

border_left

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

comma (,)
Default: none

border_right

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

border_top

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

border_bottom

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

background_color

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

page_break

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

hide

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

3.3.6 FloatStyle

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

Style class for Float

float

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

width

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

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center
Default: left

space_above

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

space_below

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

margin_left

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

margin_right

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

padding

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

padding_left

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

padding_right

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

padding_top

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

padding_bottom

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

keep_with_next

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

border

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

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.7 CaptionStyle

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

Style class for Caption

number_format

Overrides the default set in ParagraphStyle

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

Default: number

numbering_level

Overrides the default set in ParagraphStyle

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

width

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

indent_first

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

line_spacing

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

text_align

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

tab_stops

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

number_separator

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

horizontal_align

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

space_above

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

space_below

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

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from LabelStyle)

Accepts Bool: true or false

Default: false

typeface

Typeface to set the text in (inherited from TextStyle)

Accepts Typeface: the name of a typeface. See `rinoh --list-fonts` for a list of the available typefaces.

Default: Times

font_weight

Thickness of character outlines relative to their height (inherited from TextStyle)

Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from TextStyle)

Accepts FontSlant: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from TextStyle)

Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from TextStyle)

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

Default: 10pt

font_color

Color of the font (inherited from TextStyle)

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

Default: #000

font_variant

Variant of the font (inherited from TextStyle)

Accepts FontVariant: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position (inherited from TextStyle)

Accepts TextPosition: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing (inherited from TextStyle)

Accepts Bool: true or false

Default: true

ligatures

Run letters together where possible (inherited from TextStyle)

Accepts Bool: true or false

Default: true

hyphenate

Allow words to be broken over two lines (inherited from TextStyle)

Accepts Bool: true or false

Default: true

hyphen_chars

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

Accepts Integer: a natural number (positive integer)

Default: 2

hyphen_lang

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

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

before

Item to insert before this one (inherited from InlineStyle)

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

Default: (no value)

after

Item to insert after this one (inherited from InlineStyle)

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

Default: (no value)

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.8 FigureStyle

class rino.image.**FigureStyle** (*base=None, **attributes*)

Style class for Figure

float

Float the flowable to the top or bottom of the page (inherited from FloatStyle)

Accepts Bool: true or false

Default: false

width

Width to render the flowable at (inherited from FlowableStyle)

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

Default: auto

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

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

border_bottom

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

background_color

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

page_break

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

hide

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

title

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

flowable_spacing

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

3.3.9 IndexStyle

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

initials

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

width

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

title

Title to precede the flowables (inherited from `GroupedFlowablesStyle`)

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

Default: (no value)

flowable_spacing

Spacing between flowables (inherited from `GroupedFlowablesStyle`)

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

Default: 0

horizontal_align

Horizontal alignment of the flowable (inherited from `FlowableStyle`)

Accepts `HorizontalAlignment`: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from `FlowableStyle`)

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

Default: 0

space_below

Vertical space following the flowable (inherited from `FlowableStyle`)

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

Default: 0

margin_left

Left margin (inherited from `FlowableStyle`)

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

Default: 0

margin_right

Right margin (inherited from `FlowableStyle`)

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

Default: 0

padding

Padding (inherited from `FlowableStyle`)

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

Default: 0

padding_left

Left padding (inherited from `FlowableStyle`)

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

Default: 0

padding_right

Right padding (inherited from `FlowableStyle`)

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

Default: 0

padding_top

Top padding (inherited from `FlowableStyle`)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.10 ParagraphStyle

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

Style class for Paragraph

width

Overrides the default set in FlowableStyle

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

Default: fill

indent_first

Indentation of the first line of text

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

Default: 0pt

line_spacing

Spacing between the baselines of two successive lines of text

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

Default: default

text_align

Alignment of text to the margins

Accepts TextAlign: left, right, center, justify

Default: justify

tab_stops

List of tab positions

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

Default: (no value)

number_format

Overrides the default set in NumberStyle

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

Default: None

number_separator

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

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

Default: ''

numbering_level

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

Accepts Integer: a natural number (positive integer)

Default: (no value)

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

custom_label

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

typeface

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

font_weight

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

font_slant

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

font_width

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

font_size

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

font_color

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

font_variant

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

position

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

kerning

Improve inter-letter spacing (inherited from `TextStyle`)

Accepts Bool: true or false
Default: true

ligatures

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

hyphenate

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

hyphen_chars

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

hyphen_lang

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

before

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

after

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

3.3.11 TextStyle

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

typeface

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

font_weight

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

Default: 500

font_slant

Slope style of the font

Accepts FontSlant: upright, oblique, italic

Default: upright

font_width

Stretch of the characters

Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters

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

Default: 10pt

font_color

Color of the font

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

Default: #000

font_variant

Variant of the font

Accepts FontVariant: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position

Accepts TextPosition: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing

Accepts Bool: true or false

Default: true

ligatures

Run letters together where possible

Accepts Bool: true or false

Default: true

hyphenate

Allow words to be broken over two lines

Accepts Bool: true or false

Default: true

hyphen_chars

Minimum number of characters in a hyphenated part of a word

Accepts Integer: a natural number (positive integer)

Default: 2

hyphen_lang

Language to use for hyphenation. Accepts locale codes such as 'en_US'

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

Default: en_US

before

Item to insert before this one (inherited from InlineStyle)

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

Default: (no value)

after

Item to insert after this one (inherited from InlineStyle)

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

Default: (no value)

hide

Suppress rendering this element (inherited from Style)

Accepts `Bool`: true or false

Default: false

3.3.12 InlineFlowableStyle

```
class rinoh.inline.InlineFlowableStyle ( base=None, **attributes )
```

Style class for InlineFlowable

baseline

The location of the flowable's baseline relative to the bottom edge

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

Default: 0pt

width

Width to render the flowable at (inherited from FlowableStyle)

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

Default: auto

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts `HorizontalAlignment`: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

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

border_bottom

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

background_color

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

page_break

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

hide

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

before

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

after

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

3.3.13 ReferencingParagraphStyle

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

text

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

width

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

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

indent_first

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

line_spacing

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

text_align

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

tab_stops

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

number_format

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

number_separator

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

numbering_level

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

horizontal_align

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

space_above

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from LabelStyle)

Accepts Bool: true or false

Default: false

typeface

Typeface to set the text in (inherited from TextStyle)

Accepts Typeface: the name of a typeface. See `rinoh --list-fonts` for a list of the available typefaces.

Default: Times

font_weight

Thickness of character outlines relative to their height (inherited from `TextStyle`)

Accepts `FontWeight`: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from `TextStyle`)

Accepts `FontSlant`: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from `TextStyle`)

Accepts `FontWidth`: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from `TextStyle`)

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

Default: 10pt

font_color

Color of the font (inherited from `TextStyle`)

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

Default: #000

font_variant

Variant of the font (inherited from `TextStyle`)

Accepts `FontVariant`: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position (inherited from `TextStyle`)

Accepts `TextPosition`: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

ligatures

Run letters together where possible (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphenate

Allow words to be broken over two lines (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphen_chars

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

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

hyphen_lang

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

before

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

after

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

hide

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

3.3.14 NoteMarkerStyle

```
class rinoh.reference.NoteMarkerStyle ( base=None, **attributes )
```

Style class for NoteMarker

type

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

link

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

quiet

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

typeface

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

font_weight

Thickness of character outlines relative to their height (inherited from `TextStyle`)

Accepts `FontWeight`: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from `TextStyle`)

Accepts `FontSlant`: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from `TextStyle`)

Accepts `FontWidth`: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from `TextStyle`)

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

Default: 10pt

font_color

Color of the font (inherited from `TextStyle`)

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

Default: #000

font_variant

Variant of the font (inherited from `TextStyle`)

Accepts `FontVariant`: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position (inherited from `TextStyle`)

Accepts `TextPosition`: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

ligatures

Run letters together where possible (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphenate

Allow words to be broken over two lines (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphen_chars

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

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

hyphen_lang

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

before

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

after

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

number_format

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

label_prefix

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

label_suffix

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

custom_label

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

hide

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

3.3.15 SectionStyle

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

Style class for Section

show_in_toc

List this section in the table of contents

Accepts Bool: true or false

Default: true

width

Width to render the flowable at (inherited from GroupedFlowablesStyle)

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

Default: fill

title

Title to precede the flowables (inherited from GroupedFlowablesStyle)

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

Default: (no value)

flowable_spacing

Spacing between flowables (inherited from GroupedFlowablesStyle)

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

Default: 0

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

padding_left

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

padding_right

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

padding_top

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

padding_bottom

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

keep_with_next

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

border

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

border_left

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

border_right

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

border_top

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

border_bottom

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

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.16 HeadingStyle

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

Style class for Heading

keep_with_next

Overrides the default set in FlowableStyle

Accepts Bool: true or false

Default: true

numbering_level

Overrides the default set in ParagraphStyle

Accepts Integer: a natural number (positive integer)

Default: -1

width

Width to render the flowable at (inherited from ParagraphStyle)

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

Default: fill

indent_first

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

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

Default: 0pt

line_spacing

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

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

Default: default

text_align

Alignment of text to the margins (inherited from ParagraphStyle)

Accepts TextAlign: left, right, center, justify

Default: justify

tab_stops

List of tab positions (inherited from ParagraphStyle)

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

Default: (no value)

number_format

How numbers are formatted (inherited from ParagraphStyle)

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

Default: None

number_separator

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

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

Default: ''

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from LabelStyle)

Accepts Bool: true or false

Default: false

typeface

Typeface to set the text in (inherited from TextStyle)

Accepts Typeface: the name of a typeface. See `rinoh --list-fonts` for a list of the available typefaces.

Default: Times

font_weight

Thickness of character outlines relative to their height (inherited from TextStyle)

Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from TextStyle)

Accepts FontSlant: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from TextStyle)

Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from TextStyle)

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

Default: 10pt

font_color

Color of the font (inherited from TextStyle)

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

Default: #000

font_variant

Variant of the font (inherited from TextStyle)

Accepts FontVariant: normal, small capital, oldstyle figures
Default: normal

position

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

kerning

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

ligatures

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

hyphenate

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

hyphen_chars

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

hyphen_lang

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

before

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

after

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

hide

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

3.3.17 ListStyle

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

Style class for List

ordered

This list is ordered or unordered

Accepts Bool: true or false

Default: false

bullet

Bullet to use in unordered lists

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

Default: '•'

width

Width to render the flowable at (inherited from GroupedFlowablesStyle)

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

Default: fill

title

Title to precede the flowables (inherited from GroupedFlowablesStyle)

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

Default: (no value)

flowable_spacing

Spacing between flowables (inherited from GroupedFlowablesStyle)

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

Default: 0

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a

comma (,)
Default: none

border_bottom

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

background_color

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

page_break

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

hide

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

number_format

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

label_prefix

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

label_suffix

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

custom_label

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

3.3.18 ListItemLabelStyle

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

width

Width to render the flowable at (inherited from ParagraphStyle)

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

Default: fill

indent_first

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

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

Default: 0pt

line_spacing

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

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

Default: default

text_align

Alignment of text to the margins (inherited from ParagraphStyle)

Accepts TextAlign: left, right, center, justify

Default: justify

tab_stops

List of tab positions (inherited from ParagraphStyle)

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

Default: (no value)

number_format

How numbers are formatted (inherited from ParagraphStyle)

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

Default: None

number_separator

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

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

Default: ''

numbering_level

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

Accepts Integer: a natural number (positive integer)

Default: (no value)

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from LabelStyle)

Accepts Bool: true or false

Default: false

typeface

Typeface to set the text in (inherited from `TextStyle`)

Accepts `Typeface`: the name of a typeface. See `rinoh --list-fonts` for a list of the available typefaces.

Default: Times

font_weight

Thickness of character outlines relative to their height (inherited from `TextStyle`)

Accepts `FontWeight`: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from `TextStyle`)

Accepts `FontSlant`: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from `TextStyle`)

Accepts `FontWidth`: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from `TextStyle`)

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

Default: 10pt

font_color

Color of the font (inherited from `TextStyle`)

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

Default: #000

font_variant

Variant of the font (inherited from `TextStyle`)

Accepts `FontVariant`: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position (inherited from `TextStyle`)

Accepts `TextPosition`: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

ligatures

Run letters together where possible (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphenate

Allow words to be broken over two lines (inherited from `TextStyle`)

Accepts Bool: true or false

Default: true

hyphen_chars

Minimum number of characters in a hyphenated part of a word (inherited from `TextStyle`)

Accepts Integer: a natural number (positive integer)

Default: 2

hyphen_lang

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

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

Default: en_US

before

Item to insert before this one (inherited from `InlineStyle`)

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

Default: (no value)

after

Item to insert after this one (inherited from `InlineStyle`)

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

Default: (no value)

hide

Suppress rendering this element (inherited from `Style`)

Accepts Bool: true or false

Default: false

3.3.19 TableOfContentsStyle

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

Style class for TableOfContents

depth

The number of section levels to include in the table of contents

Accepts Integer: a natural number (positive integer)

Default: 3

width

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

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

Default: fill

title

Title to precede the flowables (inherited from `GroupedFlowablesStyle`)

Accepts `StyledText`: a list of styled text strings, separated by spaces. A styled text string

is a quoted string (' or "), optionally followed by a style name enclosed in braces: 'text string' (style name)
Default: (no value)

flowable_spacing

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

horizontal_align

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

space_above

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

space_below

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

margin_left

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

margin_right

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

padding

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

padding_left

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

padding_right

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

padding_top

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

padding_bottom

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

indent_first

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

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

Default: 0pt

line_spacing

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

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

Default: default

text_align

Alignment of text to the margins (inherited from ParagraphStyle)

Accepts TextAlign: left, right, center, justify

Default: justify

tab_stops

List of tab positions (inherited from ParagraphStyle)

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

Default: (no value)

number_format

How numbers are formatted (inherited from ParagraphStyle)

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

Default: None

number_separator

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

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

Default: '.'

numbering_level

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

Accepts Integer: a natural number (positive integer)

Default: (no value)

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from LabelStyle)

Accepts Bool: true or false

Default: false

typeface

Typeface to set the text in (inherited from TextStyle)

Accepts Typeface: the name of a typeface. See `rinoh --list-fonts` for a list of the available typefaces.

Default: Times

font_weight

Thickness of character outlines relative to their height (inherited from TextStyle)

Accepts FontWeight: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from TextStyle)

Accepts FontSlant: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from TextStyle)

Accepts FontWidth: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from TextStyle)

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

Default: 10pt

font_color

Color of the font (inherited from TextStyle)

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

Default: #000

font_variant

Variant of the font (inherited from TextStyle)

Accepts FontVariant: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position (inherited from TextStyle)

Accepts TextPosition: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing (inherited from TextStyle)

Accepts Bool: true or false

Default: true

ligatures

Run letters together where possible (inherited from `TextStyle`)

Accepts Bool: true or false

Default: true

hyphenate

Allow words to be broken over two lines (inherited from `TextStyle`)

Accepts Bool: true or false

Default: true

hyphen_chars

Minimum number of characters in a hyphenated part of a word (inherited from `TextStyle`)

Accepts Integer: a natural number (positive integer)

Default: 2

hyphen_lang

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

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

Default: en_US

before

Item to insert before this one (inherited from `InlineStyle`)

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

Default: (no value)

after

Item to insert after this one (inherited from `InlineStyle`)

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

Default: (no value)

3.3.20 TableOfContentsEntryStyle

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

Style class for `TableOfContentsEntry`

text

Overrides the default set in `ReferencingParagraphStyle`

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

Default: '{NUMBER}' '\t' '{TITLE}' '\t' '{PAGE}'

width

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

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

Default: fill

indent_first

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

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

Default: 0pt

line_spacing

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

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

Default: default

text_align

Alignment of text to the margins (inherited from ParagraphStyle)

Accepts TextAlign: left, right, center, justify

Default: justify

tab_stops

List of tab positions (inherited from ParagraphStyle)

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

Default: (no value)

number_format

How numbers are formatted (inherited from ParagraphStyle)

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

Default: None

number_separator

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

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

Default: ''

numbering_level

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

Accepts Integer: a natural number (positive integer)

Default: (no value)

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

label_prefix

Text to prepend to the label (inherited from LabelStyle)

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

Default: (no value)

label_suffix

Text to append to the label (inherited from LabelStyle)

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from LabelStyle)

Accepts Bool: true or false

Default: false

typeface

Typeface to set the text in (inherited from TextStyle)

Accepts Typeface: the name of a typeface. See `rinoh --list-fonts` for a list of the available typefaces.

Default: Times

font_weight

Thickness of character outlines relative to their height (inherited from `TextStyle`)

Accepts `FontWeight`: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

Default: 500

font_slant

Slope style of the font (inherited from `TextStyle`)

Accepts `FontSlant`: upright, oblique, italic

Default: upright

font_width

Stretch of the characters (inherited from `TextStyle`)

Accepts `FontWidth`: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

Default: 5

font_size

Height of characters (inherited from `TextStyle`)

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

Default: 10pt

font_color

Color of the font (inherited from `TextStyle`)

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

Default: #000

font_variant

Variant of the font (inherited from `TextStyle`)

Accepts `FontVariant`: normal, small capital, oldstyle figures

Default: normal

position

Vertical text position (inherited from `TextStyle`)

Accepts `TextPosition`: normal, superscript, subscript

Default: normal

kerning

Improve inter-letter spacing (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

ligatures

Run letters together where possible (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphenate

Allow words to be broken over two lines (inherited from `TextStyle`)

Accepts `Bool`: true or false

Default: true

hyphen_chars

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

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

hyphen_lang

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

before

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

after

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

hide

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

3.3.21 AdmonitionStyle

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

Style class for Admonition

inline_title

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

width

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

title

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

flowable_spacing

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

Default: 0

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.22 HorizontalRuleStyle

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

Style class for HorizontalRule

width

Width to render the flowable at (inherited from FlowableStyle)

Accepts FlowableWidth: auto, fill or a numeric value followed by a unit (pt, in, pc, mm,

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

horizontal_align

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

space_above

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

space_below

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

margin_left

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

margin_right

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

padding

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

padding_left

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

padding_right

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

padding_top

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

padding_bottom

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

keep_with_next

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

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

stroke

Width and color used to draw the line (inherited from LineStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: 1pt, #000

3.3.23 TableStyle

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

Style class for Table

column_widths

Absolute or relative widths of each column

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

Default: none

split_minimum_rows

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

Accepts Integer: a natural number (positive integer)

Default: (no value)

repeat_head

Repeat the head when the table is split across pages

Accepts Bool: true or false

Default: false

width

Width to render the flowable at (inherited from FlowableStyle)

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

Default: auto

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.24 TableCellStyle

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

Style class for TableCell

vertical_align

Vertical alignment of the cell contents within the available space

Accepts VerticalAlign: top, middle, bottom

Default: middle

width

Width to render the flowable at (inherited from GroupedFlowablesStyle)

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

Default: fill

title

Title to precede the flowables (inherited from GroupedFlowablesStyle)

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

Default: (no value)

flowable_spacing

Spacing between flowables (inherited from GroupedFlowablesStyle)

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

Default: 0

horizontal_align

Horizontal alignment of the flowable (inherited from FlowableStyle)

Accepts HorizontalAlignment: left, right, center

Default: left

space_above

Vertical space preceding the flowable (inherited from FlowableStyle)

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

Default: 0

space_below

Vertical space following the flowable (inherited from FlowableStyle)

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

Default: 0

margin_left

Left margin (inherited from FlowableStyle)

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

Default: 0

margin_right

Right margin (inherited from FlowableStyle)

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

Default: 0

padding

Padding (inherited from FlowableStyle)

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

Default: 0

padding_left

Left padding (inherited from FlowableStyle)

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

Default: 0

padding_right

Right padding (inherited from FlowableStyle)

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

Default: 0

padding_top

Top padding (inherited from FlowableStyle)

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

Default: 0

padding_bottom

Bottom padding (inherited from FlowableStyle)

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

Default: 0

keep_with_next

Keep this flowable and the next on the same page (inherited from FlowableStyle)

Accepts Bool: true or false

Default: false

border

Border surrounding the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_left

Border left of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_right

Border right of the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_top

Border above the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

border_bottom

Border below the flowable (inherited from FlowableStyle)

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

background_color

Color of the area within the flowable's borders (inherited from FlowableStyle)

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

Default: none

page_break

Type of page break to insert before rendering this flowable (inherited from FlowableStyle)

Accepts Break: none, any, left, right

Default: None

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.25 TableCellBorderStyle

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

Style class for TableCellBorder

stroke

Overrides the default set in LineStyle

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

3.3.26 TableCellBackgroundStyle

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

Style class for TableCellBackground

fill_color

Overrides the default set in ShapeStyle

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

Default: none

stroke

Overrides the default set in LineStyle

Accepts Stroke: the width (Dimension) and color (Color) of the stroke, separated by a comma (,)

Default: none

hide

Suppress rendering this element (inherited from Style)

Accepts Bool: true or false

Default: false

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

4.1 Article

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

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

stylesheet

Overrides the default set in DocumentTemplate

Accepts StyleSheet: the name of an Section 3.1 or the filename of a stylesheet file (with the .rts extension)

Default: sphinx_article (= rinoh.stylesheets.sphinx_article)

table_of_contents

Show or hide the table of contents

Accepts Bool: true or false

Default: true

abstract_location

Where to place the abstract

Accepts AbstractLocation: title, front matter

Default: front matter

parts

Overrides the default set in DocumentTemplate

Accepts PartsList: a space-separated list of document part template names

Default: title front_matter contents

language

The main language of the document (inherited from DocumentTemplate)

Accepts Language: the code of one of the supported languages

Default: EN (English)

strings

Strings to override standard element names (inherited from DocumentTemplate)

Accepts Strings: strings need to be entered in INI sections named after the StringCollection subclasses

Default: none

title
base: None
Type
TitlePartTemplate

front_matter
base: None
Type
ArticleFrontMatter

contents
base: None
Type
ContentsPartTemplate

page
base: None
Overrides these defaults:
• page_size = \$(paper_size)
Type
PageTemplate

title_page
base: page
Overrides these defaults:
• top_margin = 8cm
Type
TitlePageTemplate

front_matter_page
base: page
Type
PageTemplate

contents_page
base: page
Type
PageTemplate

Configuration
alias of rinoh.template.ArticleConfiguration

ConfigurationFile
alias of rinoh.template.ArticleConfigurationFile

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

4.2 Book

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

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

stylesheet

Overrides the default set in DocumentTemplate

Accepts StyleSheet: the name of an Section 3.1 or the filename of a stylesheet file (with the .rts extension)

Default: sphinx (= rinoh.stylesheets.sphinx)

parts

Overrides the default set in DocumentTemplate

Accepts PartsList: a space-separated list of document part template names

Default: title front_matter contents back_matter

language

The main language of the document (inherited from DocumentTemplate)

Accepts Language: the code of one of the supported languages

Default: EN (English)

strings

Strings to override standard element names (inherited from DocumentTemplate)

Accepts Strings: strings need to be entered in INI sections named after the StringCollection subclasses

Default: none

cover

base: None

Overrides these defaults:

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

Type

FixedDocumentPartTemplate

title

base: None

Overrides these defaults:

- page_number_format = number
- end_at_page = left

Type

TitlePartTemplate

front_matter

base: None

Overrides these defaults:

- flowables = [TableOfContentsSection(), ListOfFiguresSection(), ListOfTablesSection()]

- `page_number_format = lowercase roman`
- `end_at_page = left`

Type

`FixedDocumentPartTemplate`

contents

base: `None`

Overrides these defaults:

- `page_number_format = number`
- `end_at_page = left`

Type

`ContentsPartTemplate`

back_matter

base: `None`

Overrides these defaults:

- `page_number_format = number`
- `end_at_page = left`

Type

`BackMatterTemplate`

page

base: `None`

Overrides these defaults:

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

Type

`PageTemplate`

cover_page

base: `page`

Type

`PageTemplate`

title_page

base: `page`

Type

`TitlePageTemplate`

front_matter_page

base: `page`

Overrides these defaults:

- `header_footer_distance = 0`
- `header_text = None`

Type

PageTemplate

front_matter_right_page

base: front_matter_page

Overrides these defaults:

- footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_header_text = None
- chapter_footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_title_height = 2.5in
- chapter_title_flowables = [<rinoh.paragraph.Paragraph object at 0x7f9099207970>]

Type

PageTemplate

front_matter_left_page

base: front_matter_page

Overrides these defaults:

- footer_text = '{PAGE_NUMBER}'

Type

PageTemplate

contents_page

base: page

Overrides these defaults:

- header_footer_distance = 0

Type

PageTemplate

contents_right_page

base: contents_page

Overrides these defaults:

- header_text = '\t' '\t' '{DOCUMENT_TITLE}' ', ' '{DOCUMENT_SUBTITLE}'
- footer_text = '{SECTION_NUMBER(2)}' '. ' ' '{SECTION_TITLE(2)}' '\t' '\t' '{PAGE_NUMBER}'
- chapter_header_text = None
- chapter_footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_title_height = 2.4in
- chapter_title_flowables = [<rinoh.paragraph.Paragraph object at 0x7f90991e1100>, <rinoh.paragraph.Paragraph object at 0x7f90991e1d30>]

Type

PageTemplate

contents_left_page

base: contents_page

Overrides these defaults:

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

Type

PageTemplate

back_matter_page

base: page

Overrides these defaults:

- columns = 2
- header_footer_distance = 0

Type

PageTemplate

back_matter_right_page

base: back_matter_page

Overrides these defaults:

- header_text = '\t' '\t' '{DOCUMENT_TITLE}' ', ' '{DOCUMENT_SUBTITLE}'
- footer_text = '{SECTION_TITLE(1)}' '\t' '\t' '{PAGE_NUMBER}'
- chapter_header_text = None
- chapter_footer_text = '\t' '\t' '{PAGE_NUMBER}'
- chapter_title_height = 2.5in
- chapter_title_flowables = [<rinoh.paragraph.Paragraph object at 0x7f9099207970>]

Type

PageTemplate

back_matter_left_page

base: back_matter_page

Overrides these defaults:

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

Type

PageTemplate

Configuration

alias of rinoh.template.BookConfiguration

ConfigurationFile

alias of rinoh.template.BookConfigurationFile

Note

The API documentation is still incomplete.

5.1 **Attribute** (**rinoh.attribute**)

class rinoh.attribute.**AcceptNoneAttributeType**

Accepts 'none' (besides other values)

class rinoh.attribute.**OptionSet**

Accepts the values listed in values

Accepts:

class rinoh.attribute.**Attribute** (*accepted_type*, *default_value*, *description*)

Descriptor used to describe a style attribute

class rinoh.attribute.**OverrideDefault** (*default_value*)

Overrides the default value of an attribute defined in a superclass

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

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

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

property **location**

Textual representation of this source

property **root**

Directory path for resolving paths relative to this source

class rinoh.attribute.**Bool**

Expresses a binary choice

class rinoh.attribute.**Integer**

Accepts natural numbers

exception rinoh.attribute.**ParseError**

5.2 Color (rino.color)

class rino.color.**Color** (*red, green, blue, alpha=1*)

Color defined by component values

Parameters

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

property **rgba**

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

classmethod **doc_format** ()

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

Color defined as a hexadecimal string

Parameters

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

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

Shade of gray

Parameters

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

5.3 Dimension (rino.dimension)

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

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

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

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

class rino.dimension.**Dimension** (*value=0, unit=None*)

A simple dimension

Parameters

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

grow (*value*)

Grow this dimension (in-place)

The value is interpreted as a magnitude expressed in the same unit as this dimension.

Parameters

value (int or float) – the amount to add to the magnitude of this dimension

Returns

Dimension – this (grewed) dimension itself

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

PostScript points

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

computer pica

```
rinoh.dimension.INCH = DimensionUnit(72.0, 'in')
```

imperial/US inch

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

millimeter

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

centimeter

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

fraction of 100

```
rinoh.dimension.QUARTERS = FractionUnit(4, '1/4')
```

fraction of 4

5.4 Document (rinoh.document)

```
class rinoh.document.DocumentTree ( flowables, options=None )
```

Holds the document's contents as a tree of flowables

Parameters

- flowables (list[Flowable]) – the list of top-level flowables
- source_root (Path) – path used to locate images and include in logging and error and warnings.
- options (Reader) – frontend-specific options

```
class rinoh.document.Document ( document_tree, stylesheet, language, strings=None, backend=None )
```

Renders a document tree to pages

Parameters

- document_tree (DocumentTree) – a tree of the document's contents
- stylesheet (StyleSheet) – style sheet used to style document elements
- language (Language) – the language to use for standard strings
- strings (Strings) – overrides localized strings provided by language
- backend – the backend used for rendering the document

```
render ( filename_root=None, file=None )
```

Render the document repeatedly until the output no longer changes due to cross-references that need some iterations to converge.

5.4.1 Pages

class rinoh.document.**Page** (*document_part, number, paper, orientation='portrait'*)

A single page in a document.

A Page is a Container, so other containers can be added as children.

Parameters

- *document_part* (DocumentPart) – the document part this page is part of
- *number* (int) – the 1-based index of this page in the document part
- *paper* (Paper) – determines the dimensions of this page
- *orientation* (PageOrientation) – the orientation of this page

property **page**

Returns the page itself.

render ()

Render the contents of this container to its canvas.

Note that the rendered contents need to be `place()`d on the parent container's canvas before they become visible.

place ()

Place this container's canvas onto the parent container's canvas.

class rinoh.document.**PageOrientation**

Accepts: portrait, landscape

class rinoh.document.**PageType**

Accepts: left, right, any

5.5 Drawing Primitives (rinoh.draw)

class rinoh.draw.**Stroke** (*width, color*)

The display properties of a line

Parameters

- *width* (Dimension) – the width of the line
- *color* (Color) – the color of the line

class rinoh.draw.**Line** (*start, end, style=None, parent=None*)

Draws a line

Parameters

- *start* (2-tuple) – coordinates for the start point of the line
- *end* (2-tuple) – coordinates for the end point of the line

style_class

alias of rinoh.draw.LineStyle

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

Base class for closed shapes

style_class

alias of rinoh.draw.ShapeStyle

`class rinoh.draw.Polygon (points, style=None, parent=None)`

`class rinoh.draw.Rectangle (bottom_left, width, height, style=None, parent=None)`

5.6 Flowable (rinoh.flowable)

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

A document element that can be “flowed” into a container on the page.

A flowable can adapt to the width of the container, or it can horizontally align itself in the container.

Parameters

- align (HorizontalAlignment) – horizontal alignment of the flowable
- width (FlowableWidth or DimensionBase) – the width of the flowable.

`class rinoh.flowable.FlowableState (flowable, _initial=True)`

Stores a flowable’s rendering state, which can be copied.

This enables saving the rendering state at certain points in the rendering process, so rendering can later be resumed at those points, if needed.

5.6.1 No-Output Flowables

These flowables do not directly place anything on the page. All except DummyFlowable do have side-effects however. Some of these side-effects affect the rendering of the document in an indirect way.

`class rinoh.flowable.DummyFlowable (id=None, parent=None)`

A flowable that does not directly place anything on the page.

Subclasses can produce side-effects to affect the output in another way.

`class rinoh.flowable.AnchorFlowable (id=None, parent=None)`

A dummy flowable that registers a destination anchor.

Places a destination for the flowable’s ID at the current cursor position.

`class rinoh.flowable.SetMetadataFlowable (parent=None, **metadata)`

A dummy flowable that stores metadata in the document.

The metadata is passed as keyword arguments. It will be available to other flowables during the rendering stage.

`class rinoh.flowable.WarnFlowable (message, parent=None)`

A dummy flowable that emits a warning during the rendering stage.

Parameters

message (str) – the warning message to emit

`class rinoh.flowable.PageBreak (page_break='any')`

5.6.2 Labeled Flowables

`class rinoh.flowable.LabeledFlowable (label, flowable, id=None, style=None, parent=None)`

A flowable with a label.

The flowable and the label are rendered side-by-side. If the label exceeds the label_max_width style attribute value, the flowable is rendered below the label.

Parameters

- label (Flowable) – the label for the flowable
- flowable (Flowable) – the flowable to label

style_class

alias of `rinoh.flowable.LabeledFlowableStyle`

prepare (*flowable_target*)

Determine number labels and register references with the document

render (*container*, *last_descender*, *state*, *label_column_width=None*, *space_below=0*, ***kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

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

5.6.3 Grouping Flowables

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

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

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

Subclasses should implement `flowables()`.

style_class

alias of `rinoh.flowable.GroupedFlowablesStyle`

flowables (*container*)

Generator yielding the Flowables to group

render (*container*, *descender*, *state*, *first_line_only=False*, ***kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

class `rinoh.flowable.GroupedFlowablesState` (*groupedflowables*, *flowables*, *first_flowable_state=None*, *_initial=True*, *_index=0*)

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

Groups a static list of flowables.

Parameters

flowables (iterable[Flowable]) – the flowables to group

flowables (*container*)

Generator yielding the Flowables to group

build_document (*flowable_target*)

Set document metadata and populate front and back matter

prepare (*flowable_target*)

Determine number labels and register references with the document

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

Groups a list of labeled flowables, lining them up.

render (*container, descender, state, **kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

5.6.4 Floating Flowables

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

A flowable that can optionally be placed elsewhere on the page.

If this flowable's float style attribute is set to True, it is not flowed in line with the surrounding flowables, but it is instead flowed into another container pointed to by the former's Container.float_space attribute.

This is typically used to place figures and tables at the top or bottom of a page, instead of in between paragraphs.

flow (*container, last_descender, state=None, **kwargs*)

Flow this flowable into container and return the vertical space consumed.

The flowable's contents are preceded by a vertical space with a height as specified in its style's space_above attribute. Similarly, the flowed content is followed by a vertical space with a height given by the space_below style attribute.

5.6.5 Styling Properties

class rinoh.flowable.**HorizontalAlignment**

Controls horizontal placement

Accepts: left, right, center

class rinoh.flowable.**FlowableWidth**

Controls the width of a flowable

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

5.7 Fonts and Typefaces (rinoh.font)

Classes for fonts and typefaces.

class rinoh.font.**Font** (*filename, weight, slant, width*)

A collection of glyphs in a particular style

This is a base class for classes that parse different font formats. See rinoh.font.type1 and rinoh.font.opentype.

Parameters

- filename (str) – filename of the font file to load
- weight (FontWeight) – weight of the font
- slant (FontSlant) – slant of the font
- width (FontWidth) – width of the font

encoding

If no encoding is set for the Font, glyphs are addressed by glyph ID (and thus support

more than 256 glyphs).

get_glyph (*char*, *variant*)

Return the glyph for a particular character

If the glyph of requested font variant is not present in the font, the normal variant is returned instead. If that is not present either, an exception is raised.

Parameters

- *char* (str of length 1) – the character for which to find the glyph
- *variant* (FontVariant) – the variant of the glyph to return

Returns

GlyphMetrics – the requested glyph

Raises

MissingGlyphException – when the requested glyph is not present in the font

get_ligature (*glyph*, *successor_glyph*)

Return the ligature to replace the given glyphs

If no ligature is defined in the font for the given glyphs, return None.

Parameters

- *glyph* (GlyphMetrics) – the first of the glyphs to combine
- *successor_glyph* (GlyphMetrics) – the second of the glyphs to combine

Returns

GlyphMetrics or None – the ligature to replace the given glyphs

get_kerning (*a*, *b*)

Look up the kerning for two glyphs

Parameters

- *a* (GlyphMetrics) – the first of the glyphs
- *b* (GlyphMetrics) – the second of the glyphs

Returns

float – the kerning value in font units

class `rinoh.font.Typeface` (*name*, **fonts*)

A set of fonts that share common design features

The fonts collected in a typeface differ in weight, width and/or slant.

Parameters

**fonts* (Font) – the fonts that make up this typeface

fonts ()

Generator yielding all fonts of this typeface

Yields

Font – the next font in this typeface

get_font (*weight=400*, *slant='upright'*, *width=5*)

Return the font matching or closest to the given style

If a font with the given weight, slant and width is available, return it. Otherwise, return the font that is closest in style.

Parameters

- *weight* (FontWeight) – weight of the font
- *slant* (FontSlant) – slant of the font

- width (FontWidth) – width of the font

Returns

Font – the requested font

class rinoh.font.style.FontWeight

Accepts: hairline, thin, ultra-light, extra-light, light, regular, normal, book, roman, medium, semi-bold, demi-bold, bold, extra-bold, ultra-bold, black, heavy, extra-black, ultra-black

class rinoh.font.style.FontSlant

Accepts: upright, oblique, italic

class rinoh.font.style.FontWidth

Accepts: ultra-condensed, extra-condensed, condensed, semi-condensed, normal, medium, semi-expanded, expanded, extra-expanded, ultra-expanded

class rinoh.font.style.FontVariant

Accepts: normal, small capital, oldstyle figures

class rinoh.font.style.TextPosition

Accepts: normal, superscript, subscript

5.8 Images and Figures (rinoh.image)

class rinoh.image.Image (*filename_or_file*, *scale=1.0*, *width=None*, *height=None*, *dpi=None*, *rotate=0*, *limit_width=<rinoh.dimension.Fraction object>*, *align=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

class rinoh.image.InlineImage (*filename_or_file*, *scale=1.0*, *width=None*, *height=None*, *dpi=None*, *rotate=0*, *baseline=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

arguments

alias of rinoh.image.InlineImageArgs

class rinoh.image.BackgroundImage (*filename_or_file*, *scale=1.0*, *width=None*, *height=None*, *dpi=None*, *rotate=0*, *limit_width=<rinoh.dimension.Fraction object>*, *align=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

Image to place in the background of a page

Takes the same arguments as Image.

arguments

alias of rinoh.image.ImageArgs

class rinoh.image.ImageArgs (*base=None*, ***attributes*)

limit_width

Limit the image width when none of scale, width and height are given and the image would be wider than the container

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

Default: 100%

align

How to align the image within the page

Accepts HorizontalAlignment: left, right, center

Default: left

file_or_filename

Path to the image file (inherited from ImageArgsBase)
 Accepts ImagePath: path to an image file enclosed in quotes
 Default: none

scale

Scaling factor for the image (inherited from ImageArgsBase)
 Accepts Scale: fit, fill or a float larger than 0
 Default: fit

width

The width to scale the image to (inherited from ImageArgsBase)
 Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
 Default: none

height

The height to scale the image to (inherited from ImageArgsBase)
 Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
 Default: none

dpi

Overrides the DPI value set in the image (inherited from ImageArgsBase)
 Accepts Integer: a natural number (positive integer)
 Default: (no value)

rotate

Angle in degrees to rotate the image (inherited from ImageArgsBase)
 Accepts Integer: a natural number (positive integer)
 Default: (no value)

class rinoh.image.Scale

Scaling factor for images

Can be a numerical value where a value of 1 keeps the image's original size or one of values.

Accepts: fit, fill or a float larger than 0

class rinoh.image.Caption (*content*, *custom_label=None*, *align=None*, *width=None*, *id=None*, *style=None*, *parent=None*, *source=None*)

style_class

alias of rinoh.image.CaptionStyle

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

style_class

alias of rinoh.image.FigureStyle

class rinoh.image.ListOfFiguresSection**list_class**

alias of rinoh.image.ListOfFigures

class rinoh.image.ListOfFigures (*local=False*, *id=None*, *style=None*, *parent=None*)

5.9 Index (rinoh.index)

class rinoh.index.**IndexSection** (*title=None, flowables=None, style=None*)

class rinoh.index.**Index** (*id=None, style=None, parent=None*)

style_class

alias of rinoh.index.IndexStyle

flowables (*container*)

Generator yielding the Flowables to group

class rinoh.index.**IndexLabel** (*content, custom_label=None, align=None, width=None, id=None, style=None, parent=None, source=None*)

class rinoh.index.**IndexTerm** (**levels*)

class rinoh.index.**InlineIndexTarget** (*index_terms, *args, **kwargs*)

to_string (*flowable_target*)

Return the text content of this styled text.

class rinoh.index.**IndexTarget** (*index_terms, parent=None*)

flow (*container, last_descender, state=None, **kwargs*)

Flow this flowable into container and return the vertical space consumed.

The flowable's contents are preceded by a vertical space with a height as specified in its style's `space_above` attribute. Similarly, the flowed content is followed by a vertical space with a height given by the `space_below` style attribute.

5.10 Language (rinoh.language)

class rinoh.language.**Language** (*code, name*)

Collects localized strings for a particular language

Parameters

- `code` (str) – short code identifying the language
- `name` (str) – native name of the language

languages

Dictionary mapping codes to Languages

The following languages are supported:

`rinoh.language.EN = Language('en', 'English')`

Localized strings for English

SectionTitles

Contents

Table of Contents

List_of_figures

List of Figures

- List_of_tables
 - List of Tables
- Chapter
 - Chapter
- Index
 - Index
- AdmonitionTitles
- Attention
 - Attention!
- Caution
 - Caution!
- Danger
 - !DANGER!
- Error
 - Error
- Hint
 - Hint
- Important
 - Important
- Note
 - Note
- Tip Tip
- Warning
 - Warning
- Seealso
 - See also
- rinoh.language.**FR** = **Language**('fr', 'Français')
 - Localized strings for Français
- SectionTitles
- Contents
 - Table des Matières
- List_of_figures
 - Liste des Figures
- List_of_tables
 - Liste des Tableaux
- Chapter
 - Chapitre
- Index
 - Index
- AdmonitionTitles

Attention
 Attention!
 Caution
 Prudence!
 Danger
 !DANGER!
 Error
 Erreur
 Hint
 Conseil
 Important
 Important
 Note
 Note
 Tip Astuce
 Warning
 Avertissement
 Seealso
 Voir aussi

`rinoh.language.IT = Language('it', 'Italiano')`

Localized strings for Italiano

SectionTitles

Contents

 Contenuti

List_of_figures

 Elenco delle Figure

List_of_tables

 Elenco delle Tabelle

Chapter

 Capitolo

Index

 Indice

AdmonitionTitles

Attention

 Attenzione!

Caution

 Prudenza!

Danger

 !PERICOLO!

Error

 Errore

Hint
Consiglio
Important
Importante
Note
Nota
Tip Suggestimento
Warning
Avvertimento
Seealso
Vedi anche

`rinoh.language.NL = Language('nl', 'Nederlands')`

Localized strings for Nederlands
SectionTitles

Contents
Inhoudsopgave

List_of_figures
Lijst van Figuren

List_of_tables
Lijst van Tabellen

Chapter
Hoofdstuk

Index
Index
AdmonitionTitles

Attention
Opgelet!

Caution
Pas op!

Danger
!GEVAAR!

Error
Fout

Hint
Hint

Important
Belangrijk

Note
Noot

Tip Tip

Warning
 Waarschuwing
Seealso
 Zie ook

`rinoh.language.PL = Language('pl', 'Polski')`

Localized strings for Polski
SectionTitles

Contents
 Spis Treści

List_of_figures
 Spis Ilustracji

List_of_tables
 Spis Tabel

Chapter
 Rozdział

Index
 Skorowidz
AdmonitionTitles

Attention
 Uwaga!

Caution
 Ostrożnie!

Danger
 !NIEBEZPIECZEŃSTWO!

Error
 Błąd

Hint
 Wskazówka

Important
 Ważne

Note
 Notatka

Tip Porada

Warning
 Ostrzeżenie

Seealso
 Zobacz również

5.11 Number (rinoh.number)

Functions for formatting numbers:

- `format_number()`: Format a number according to a given style.

class `rinoh.number.NumberFormat`

How (or if) numbers are displayed

Instead of a numbering format, it's possible to supply a custom label (`StyledText`) to show instead of the number.

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

class `rinoh.number.NumberStyle` (*base=None, **attributes*)

Style class for Number

number_format

How numbers are formatted

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

Default: `number`

label_prefix

Text to prepend to the label (inherited from `LabelStyle`)

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

Default: (no value)

label_suffix

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

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

Default: (no value)

custom_label

Use a custom label if specified (inherited from `LabelStyle`)

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

Default: `false`

hide

Suppress rendering this element (inherited from `Style`)

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

Default: `false`

class `rinoh.number.Label` (*custom_label=None*)

Mixin class that formats a label

Parameters

`custom_label` (`StyledText`) – a frontend can supply a custom label to use instead of an automatically determined label (typically a number)

`rinoh.number.format_number` (*number, format*)

Format number according the given format (`NumberFormat`)

5.12 Paper sizes (rinoh.paper)

The `Paper` class and a number of predefined paper formats.

class rinoh.paper.**Paper** (*name, width, height*)

Defines a paper size.

Parameters

- name (str) – the name of this paper type
- width (Dimension) – the (portrait) width of this paper type
- height (Dimension) – the (portrait) height of this paper type

rinoh.paper.**A0** = **Paper**('A0', width=841*MM, height=1189*MM)

rinoh.paper.**A1** = **Paper**('A1', width=594*MM, height=841*MM)

rinoh.paper.**A2** = **Paper**('A2', width=420*MM, height=594*MM)

rinoh.paper.**A3** = **Paper**('A3', width=297*MM, height=420*MM)

rinoh.paper.**A4** = **Paper**('A4', width=210*MM, height=297*MM)

rinoh.paper.**A5** = **Paper**('A5', width=148*MM, height=210*MM)

rinoh.paper.**A6** = **Paper**('A6', width=105*MM, height=148*MM)

rinoh.paper.**A7** = **Paper**('A7', width=74*MM, height=105*MM)

rinoh.paper.**A8** = **Paper**('A8', width=52*MM, height=74*MM)

rinoh.paper.**A9** = **Paper**('A9', width=37*MM, height=52*MM)

rinoh.paper.**A10** = **Paper**('A10', width=26*MM, height=37*MM)

rinoh.paper.**LETTER** = **Paper**('letter', width=8.5*INCH, height=11*INCH)

rinoh.paper.**LEGAL** = **Paper**('legal', width=8.5*INCH, height=14*INCH)

rinoh.paper.**JUNIOR_LEGAL** = **Paper**('junior legal', width=8*INCH, height=5*INCH)

rinoh.paper.**LEDGER** = **Paper**('ledger', width=17*INCH, height=11*INCH)

rinoh.paper.**TABLOID** = **Paper**('tabloid', width=11*INCH, height=17*INCH)

5.13 Paragraph (rinoh.paragraph)

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

Base class for paragraphs

A paragraph holds styled text and other line elements to be flowed into a container.

style_class

alias of rinoh.paragraph.ParagraphStyle

prepare (*flowable_target*)

Determine number labels and register references with the document

render (*container, descender, state, space_below=0, first_line_only=False*)

Typeset the paragraph

The paragraph is typeset in the given container starting below the current cursor position of the container. When the end of the container is reached, the rendering state is preserved to continue setting the rest of the paragraph when this method is called with

a new container.

Parameters

- container (Container) – the container to render to
- descender (float or None) – descender height of the preceding line
- state (ParagraphState) – the state where rendering will continue
- first_line_only (bool) – typeset only the first line

```
class rinoh.paragraph.Paragraph ( content, custom_label=None, align=None, width=None,
id=None, style=None, parent=None, source=None )
```

```
class rinoh.paragraph.ParagraphState ( paragraph, words, nested_flowable_state=None,
_first_word=None, _initial=True )
```

5.13.1 Styled Text (rinoh.text)

```
class rinoh.text.StyledText ( id=None, style=None, parent=None, source=None )
```

Base class for text that has a TextStyle associated with it.

to_string (flowable_target)

Return the text content of this styled text.

is_script (container)

Returns True if this styled text is super/subscript.

script_level (container)

Nesting level of super/subscript.

height (container)

Font size after super/subscript size adjustment.

y_offset (container)

Vertical baseline offset (up is positive).

property items

The list of items in this StyledText.

style_class

alias of rinoh.text.TextStyle

```
class rinoh.text.SingleStyledText ( text, style=None, parent=None, source=None )
```

Text with a single style applied

```
class rinoh.text.MixedStyledText ( text_or_items, id=None, style=None, parent=None,
source=None )
```

Concatenation of styled text

Parameters

- text_or_items (str, StyledText or iterable of these) – mixed styled text
- style – see Styled
- parent – see DocumentElement

prepare (flowable_target)

Determine number labels and register references with the document

append (item)

Append item (StyledText or str) to the end of this mixed-styled text.

The parent of item is set to this mixed-styled text.

property items

The list of items in this StyledText.

copy (*parent=None*)

Return a shallow copy of the list.

class rinoh.text.Locale

Selects a language

5.13.2 Inline Elements (rinoh.inline)

class rinoh.inline.InlineFlowable (*baseline=None, id=None, style=None, parent=None, source=None*)

style_class

alias of rinoh.inline.InlineFlowableStyle

5.13.3 Styling Properties

class rinoh.paragraph.TextAlign

Text justification

Accepts: left, right, center, justify

Line Spacing

class rinoh.paragraph.LineSpacing

Base class for line spacing types

Line spacing is defined as the distance between the baselines of two consecutive lines of text in a paragraph.

advance (*line, last_descender, container*)

Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.DefaultSpacing

The default line spacing as specified by the font.

advance (*line, last_descender, container*)

Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.ProportionalSpacing (*factor*)

Line spacing proportional to the line height

Parameters

factor (float) – amount by which the line height is multiplied to obtain the line spacing

advance (*line, last_descender, container*)

Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.FixedSpacing (*pitch, minimum=ProportionalSpacing(1.0)*)

Fixed line spacing, with optional minimum spacing

Parameters

- **pitch** (Dimension) – the distance between the baseline of two consecutive lines of text
- **minimum** (LineSpacing) – the minimum line spacing to prevents lines with large fonts (or inline elements) from overlapping; set to None if no minimum is required, set to None

advance (*line*, *last_descender*, *container*)

Return the distance between the descender of the previous line and the baseline of the current line.

class rinoh.paragraph.**Leading** (*leading*)

Line spacing determined by the space in between two lines

Parameters

leading (Dimension) – the space between the bottom of a line and the top of the next line of text

advance (*line*, *last_descender*, *container*)

Return the distance between the descender of the previous line and the baseline of the current line.

The following standard line spacings have been predefined:

rinoh.paragraph.DEFAULT = DefaultSpacing()

The default line spacing as specified by the font.

rinoh.paragraph.STANDARD = ProportionalSpacing(1.2)

Line spacing of 1.2 times the line height.

rinoh.paragraph.SINGLE = ProportionalSpacing(1.0)

Line spacing equal to the line height (no leading).

rinoh.paragraph.DOUBLE = ProportionalSpacing(2.0)

Line spacing of double the line height.

Tabulation

class rinoh.paragraph.**TabAlign**

Alignment of text with respect to a tab stop

Accepts: left, right, center

class rinoh.paragraph.**TabStop** (*position*, *align*='left', *fill*=None)

Horizontal position for aligning text of successive lines

Parameters

- **position** (Dimension or Fraction) – tab stop position
- **align** (TabAlign) – the alignment of text with respect to the tab stop position
- **fill** (str) – string pattern to fill the empty tab space with

get_position (*line_width*)

Return the absolute position of this tab stop.

class rinoh.paragraph.**TabStopList** (*iterable*=(), /)

List of tab stop positions (with alignment and fill string)

5.13.4 Rendering Internals

```
class rinoh.paragraph.Glyph ( glyph, width, char )
```

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

5.13.5 Miscellaneous Internals

```
class rinoh.paragraph.HyphenatorStore
```

5.14 Cross-References and Fields (rinoh.reference)

```
class rinoh.reference.Reference ( target_id, *args, **kwargs )
```

```
class rinoh.reference.ReferenceField ( type=None, custom_title=None, style=None,
parent=None, source=None )
```

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

```
class rinoh.reference.ReferenceType
```

Accepts: reference, number, title, page, custom

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

```
style_class
```

alias of rinoh.reference.ReferenceTextStyle

```
target_style ( document )
```

Filter selection on the style attribute of the target flowable

```
target_has_class ( document )
```

Filter selection on a class of the target flowable

```
target_has_classes ( document )
```

Filter selection on a set of classes of the target flowable

```
target_is_of_type ( document )
```

Filter selection on the type of the target flowable

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

```
class rinoh.reference.RegisterNote ( note, parent=None )
```

```
prepare ( flowable_target )
```

Determine number labels and register references with the document

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

```
style_class
```

alias of rinoh.reference.NoteMarkerStyle

```
prepare ( flowable_target )
```

Determine number labels and register references with the document

```
class rinoh.reference.NoteMarkerByID ( target_id, *args, **kwargs )

class rinoh.reference.NoteMarkerWithNote ( referenceable, type='number', **kwargs )
    prepare ( flowable_target )
        Determine number labels and register references with the document

class rinoh.reference.Field ( type, id=None, style=None, parent=None, source=None )
```

5.15 Structure (rinoh.structure)

5.15.1 Sections

```
class rinoh.structure.Section ( flowables, align=None, width=None, id=None, style=None,
parent=None, source=None )
    A subdivision of a document
    A section usually has a heading associated with it, which is optionally numbered.

class rinoh.structure.Heading ( content, custom_label=None, align=None, width=None, id=None,
style=None, parent=None, source=None )
    The title for a section
    Parameters
        title (StyledText) – this heading’s text
    style_class
        alias of rinoh.structure.HeadingStyle
    prepare ( container )
        Determine number labels and register references with the document
    flow ( container, last_descender, state=None, **kwargs )
        Flow this flowable into container and return the vertical space consumed.
        The flowable’s contents are preceded by a vertical space with a height as specified in its
        style’s space_above attribute. Similarly, the flowed content is followed by a vertical
        space with a height given by the space_below style attribute.

class rinoh.structure.SectionTitles ( **strings )
    Collection of localized titles for common sections
    contents
        Title for the table of contents section
        Type
            String
    list_of_figures
        Title for the list of figures section
        Type
            String
    list_of_tables
        Title for the list of tables section
```

Type
String

chapter
Label for top-level sections
Type
String

index
Title for the index section
Type
String

5.15.2 Lists

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

    style_class
        alias of rinoh.structure.ListStyle

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

5.15.3 Table of Contents

```
class rinoh.structure.TableOfContentsSection

class rinoh.structure.TableOfContents ( local=False, id=None, style=None, parent=None )

    style_class
        alias of rinoh.structure.TableOfContentsStyle

    flowables ( container )
        Generator yielding the Flowables to group

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

    style_class
        alias of rinoh.structure.TableOfContentsEntryStyle
```

5.15.4 Admonitions

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

    style_class
        alias of rinoh.structure.AdmonitionStyle

    flowables ( container )
        Generator yielding the Flowables to group

class rinoh.structure.AdmonitionTitles ( **strings )
    Collection of localized titles for common admonitions
```

attention
Title for attention admonitions
Type
String

caution
Title for caution admonitions
Type
String

danger
Title for danger admonitions
Type
String

error
Title for error admonitions
Type
String

hint
Title for hint admonitions
Type
String

important
Title for important admonitions
Type
String

note
Title for note admonitions
Type
String

tip
Title for tip admonitions
Type
String

warning
Title for warning admonitions
Type
String

seealso
Title for see-also admonitions
Type
String

5.15.5 Horizontal Rule

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

style_class

alias of rinoh.structure.HorizontalRuleStyle

render (*container, descender, state, **kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

5.16 Strings (rinoh.strings)

class rinoh.strings.**String** (*description*)

Descriptor used to describe a configurable string

Parameters

description (str) – a short description for this string

class rinoh.strings.**StringCollection** (***strings*)

A collection of related configurable strings

Subclasses

- AdmonitionTitles
- SectionTitles
- UserStrings

class rinoh.strings.**UserStrings** (***strings*)

Collection of user-specified strings

Unlike other string collections, these are not limited to a predefined set.

Attributes:

class rinoh.strings.**Strings** (**string_collections*)

Stores several StringCollections

class rinoh.strings.**StringField** (*strings_class, key, style=None, parent=None, source=None*)

Styled text that will be substituted with a configured string

The displayed string is either the localized string as determined by the language set for the document or the user-supplied string passed to the TemplateConfiguration.

5.17 Style (rinoh.style)

class rinoh.style.**Styled** (*id=None, style=None, parent=None, source=None*)

A document element who's style can be configured.

Parameters

style (str, Style) – the style to associate with this element. If style is a string, the corresponding style is lookup up in the document's style sheet by means of selectors.

style_class

The Style subclass that corresponds to this Styled subclass.

property has_id

Filter selection on an ID of this Styled

property has_class

Filter selection on a class of this Styled

property has_classes

Filter selection on a set of classes of this Styled

class rinoh.style.**Style** (*base=None, **attributes*)

Dictionary storing style attributes.

The style attributes associated with this Style are specified as class attributes of type Attribute.

Style attributes can also be accessed as object attributes.

hide

Suppress rendering this element

Accepts Bool: true or false

Default: false

5.17.1 Style Sheet

class rinoh.style.**StyleSheet** (*name, matcher=None, base=None, source=None, description=None, pygments_style=None, **user_options*)

Dictionary storing a collection of related styles by name.

Styles stored in a StyleSheet can refer to their base style by name.

Parameters

- name (str) – a label for this style sheet
- matcher (StyledMatcher) – the matcher providing the selectors the styles contained in this style sheet map to. If no matcher is given and base is specified, the base's matcher is used. If base is not set, the default matcher is used.
- base (StyleSheet or str) – the style sheet to extend
- description (str) – a short string describing this style sheet
- pygments_style (str) – the Pygments style to use for styling code blocks

get_selector (*name*)

Find a selector mapped to a style in this or a base style sheet.

Parameters

name (str) – a style name

Returns

Selector – the selector mapped to the style name

Raises

KeyError – if the style name was not found in this or a base style sheet

class rinoh.style.**StyleSheetFile** (*filename, base=None, source=None, **kwargs*)

Loads styles defined in a .rts file (INI format).

Parameters

filename (str) – the path to the style sheet file

`StyleSheetFile` takes the same optional arguments as `StyleSheet`. These can also be specified in the [STYLESHEET] section of the style sheet file. If an argument is specified in both places, the one passed as an argument overrides the one specified in the style sheet file.

class `rinoh.style.StyledMatcher` (*mapping_or_iterable=None, **kwargs*)

Dictionary mapping labels to selectors.

This matcher can be initialized in the same way as a dict by passing a mapping, an interable and/or keyword arguments.

update (***F [, E]*) → None. Update D from dict/iterable E and F.

If E is present and has a `.keys()` method, then does: for k in E: D[k] = E[k] If E is present and lacks a `.keys()` method, then does: for k, v in E: D[k] = v In either case, this is followed by: for k in F: D[k] = F[k]

5.18 Tables (`rinoh.table`)

class `rinoh.table.Table` (*body, head=None, align=None, width=None, column_widths=None, id=None, style=None, parent=None*)

style_class

alias of `rinoh.table.TableStyle`

prepare (*flowable_target*)

Determine number labels and register references with the document

render (*container, last_descender, state, space_below=0, **kwargs*)

Renders the flowable's content to container, with the flowable's top edge lining up with the container's cursor. descender is the descender height of the preceding line or None.

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

style_class

alias of `rinoh.table.TableWithCaptionStyle`

class `rinoh.table.TableSection` (*rows, style=None, parent=None*)

prepare (*flowable_target*)

Determine number labels and register references with the document

class `rinoh.table.TableHead` (*rows, style=None, parent=None*)

class `rinoh.table.TableBody` (*rows, style=None, parent=None*)

class `rinoh.table.TableRow` (*cells, style=None, parent=None*)

prepare (*flowable_target*)

Determine number labels and register references with the document

get_rowspanned_columns ()

Return a dictionary mapping column indices to the number of columns spanned.

```

class rinoh.table.TableCell ( flowables, rowspan=1, colspan=1, id=None, style=None, parent=None
)

    style_class
        alias of rinoh.table.TableCellStyle

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

    style_class
        alias of rinoh.table.TableCellBorderStyle

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

    style_class
        alias of rinoh.table.TableCellBackgroundStyle

class rinoh.table.VerticalAlign
    Accepts: top, middle, bottom

class rinoh.table.ListOfTables ( local=False, id=None, style=None, parent=None )

class rinoh.table.ListOfTablesSection

    list_class
        alias of rinoh.table.ListOfTables

```

5.19 Templates (rinoh.template)

Document templates are created by subclassing `DocumentTemplate`, just like the Chapter 4 shipped with rinohtype.

```

class rinoh.template.DocumentTemplate ( document_tree, configuration=None, backend=None )
    Template for documents

    Parameters
        • document_tree (DocumentTree) – a tree of the document’s contents
        • configuration (TemplateConfiguration) – configuration for this template
        • backend – the backend used for rendering the document

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

    strings
        Strings to override standard element names
        Accepts Strings: strings need to be entered in INI sections named after the StringCol-
        lection subclasses
        Default: none

    stylesheet
        The stylesheet to use for styling document elements
        Accepts StyleSheet: the name of an Section 3.1 or the filename of a stylesheet file (with
        the .rts extension)
        Default: sphinx (= rinoh.stylesheets.sphinx)

```


parts

The parts making up this document

Accepts `PartsList`: a space-separated list of document part template names

Default: (empty list)

Configuration

alias of `rinoh.template.DocumentTemplateConfiguration`

ConfigurationFile

alias of `rinoh.template.DocumentTemplateConfigurationFile`

Document templates can be customized by setting values for the configuration attributes defined in a `DocumentTemplate` subclass in a `TemplateConfiguration`. An template configuration can be passed as configuration on template instantiation. However, it is better to make use of the document method, however.

class `rinoh.template.TemplateConfiguration` (*name*, *base=None*, *source=None*, *template=None*, *description=None*, ***options*)

Stores a configuration for a `DocumentTemplate`

Parameters

- *name* (str) – a label for this template configuration
- *base* (`TemplateConfiguration`) – the template configuration to extend
- *template* (`DocumentTemplateMeta` or str) – the document template to configure
- *description* (str) – a short string describing this style sheet
- ***options* – configuration values for the configuration attributes defined by the document template

template = None

The `DocumentTemplate` subclass to configure

document (*document_tree*, *backend=None*)

Create a `DocumentTemplate` object based on the given document tree and this template configuration

Parameters

- *document_tree* (`DocumentTree`) – tree of the document's contents
- *backend* – the backend to use when rendering the document

class `rinoh.template.PartsList` (**parts*)

Stores the names of the document part templates making up a document

Parameters

**parts* (list[str]) – the names of the document parts

5.19.1 Document Parts

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

Part of a document.

Parameters

- *template* (`DocumentPartTemplate`) – the template that determines the contents and style of this document part
- *document* (`Document`) – the document this part belongs to
- *flowables* (list[`Flowable`]) – the flowables to render in this document part

configuration_class

alias of `rinoh.template.DocumentPartTemplate`

add_page (page)

Append page (Page) to this DocumentPart.

new_page (page_number, new_chapter, **kwargs)

Called by `render()` with the Chain`s that need more `:class:`Container`s`. This method should create a new `:class:`Page` which contains a container associated with chain.

The document part templates which are listed by name in `DocumentTemplate.parts` are looked up as attributes of the `DocumentTemplate` subclass. They are instances of `DocumentPartTemplate` subclasses:

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

A template that produces a document part

The document part is created given a set of flowables, and page templates. The latter are looked up in the `TemplateConfiguration` where this part template was.

page_number_format

The format for page numbers in this document part. If it is different from the preceding part`s number format, numbering restarts at 1

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

Default: number

end_at_page

The type of page to end this document part on

Accepts `PageType`: left, right, any

Default: any

drop_if_empty

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

Accepts `Bool`: true or false

Default: true

The following document part templates are used in the standard document templates:

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

The title page of a document.

drop_if_empty

Overrides the default set in `DocumentPartTemplate`

Accepts `Bool`: true or false

Default: false

page_number_format

The format for page numbers in this document part. If it is different from the preceding part`s number format, numbering restarts at 1 (inherited from `DocumentPartTemplate`)

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

Default: number

end_at_page

The type of page to end this document part on (inherited from `DocumentPartTemplate`)

Accepts `PageType`: left, right, any

Default: any

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

The body of a document.

Renders all of the content present in the DocumentTree passed to the DocumentTemplate.

page_number_format

The format for page numbers in this document part. If it is different from the preceding part's number format, numbering restarts at 1 (inherited from DocumentPartTemplate)

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

Default: number

end_at_page

The type of page to end this document part on (inherited from DocumentPartTemplate)

Accepts PageType: left, right, any

Default: any

drop_if_empty

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

Accepts Bool: true or false

Default: true

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

A document part template that renders a fixed list of flowables

flowables

The list of flowables to include in this document part

Accepts FlowablesList: Python source code that represents a list of Flowables

Default: []

page_number_format

The format for page numbers in this document part. If it is different from the preceding part's number format, numbering restarts at 1 (inherited from DocumentPartTemplate)

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

Default: number

end_at_page

The type of page to end this document part on (inherited from DocumentPartTemplate)

Accepts PageType: left, right, any

Default: any

drop_if_empty

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

Accepts Bool: true or false

Default: true

5.19.2 Page Templates

The document templates make use of page templates:

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

header_footer_distance

Distance of the header and footer to the content area

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

Default: 14pt

columns

The number of columns for the body text

Accepts Integer: a natural number (positive integer)

Default: 1

column_spacing

The spacing between columns

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

Default: 1cm

header_text

The text to place in the page header

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

Default: '{SECTION_NUMBER(1)}' ' ' '{SECTION_TITLE(1)}'

footer_text

The text to place in the page footer

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

Default: '\t' '{PAGE_NUMBER}' ' / ' '{NUMBER_OF_PAGES}'

chapter_header_text

The text to place in the header on a page that starts a new chapter

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

Default: (no value)

chapter_footer_text

The text to place in the footer on a page that starts a new chapter

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

Default: (no value)

chapter_title_flowables

Generator that yields the flowables to represent the chapter title

Accepts FlowablesList: Python source code that represents a list of Flowables

Default: none

chapter_title_height

The height of the container holding the chapter title

Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 150pt

page_size

The format of the pages in the document (inherited from PageTemplateBase)
Accepts Paper: the name of a Section 5.12 or <width> * <height> where width and height are Dimensions
Default: A4

page_orientation

The orientation of pages in the document (inherited from PageTemplateBase)
Accepts PageOrientation: portrait, landscape
Default: portrait

left_margin

The margin size on the left of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

right_margin

The margin size on the right of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

top_margin

The margin size at the top of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

bottom_margin

The margin size at the bottom of the page (inherited from PageTemplateBase)
Accepts Dimension: a numeric value followed by a unit (pt, in, pc, mm, cm, %, /2, /4)
Default: 3cm

background

An image to place in the background of the page (inherited from PageTemplateBase)
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

after_break_background

An image to place in the background after a page break (inherited from PageTemplateBase)
Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed
Default: none

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

show_date

Show or hide the document's date
Accepts Bool: true or false
Default: true

show_author

Show or hide the document's author

Accepts Bool: true or false

Default: true

extra

Extra text to include on the title page below the title

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

Default: (no value)

page_size

The format of the pages in the document (inherited from PageTemplateBase)

Accepts Paper: the name of a Section 5.12 or <width> * <height> where width and height are Dimensions

Default: A4

page_orientation

The orientation of pages in the document (inherited from PageTemplateBase)

Accepts PageOrientation: portrait, landscape

Default: portrait

left_margin

The margin size on the left of the page (inherited from PageTemplateBase)

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

Default: 3cm

right_margin

The margin size on the right of the page (inherited from PageTemplateBase)

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

Default: 3cm

top_margin

The margin size at the top of the page (inherited from PageTemplateBase)

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

Default: 3cm

bottom_margin

The margin size at the bottom of the page (inherited from PageTemplateBase)

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

Default: 3cm

background

An image to place in the background of the page (inherited from PageTemplateBase)

Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed

Default: none

after_break_background

An image to place in the background after a page break (inherited from PageTemplateBase)

Accepts BackgroundImage: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (<keyword>=<value>) that determine how the image is displayed

Default: none

The base class for these collects the common options:

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

page_size

The format of the pages in the document

Accepts *Paper*: the name of a Section 5.12 or `<width> * <height>` where width and height are *Dimensions*

Default: A4

page_orientation

The orientation of pages in the document

Accepts *PageOrientation*: portrait, landscape

Default: portrait

left_margin

The margin size on the left of the page

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

Default: 3cm

right_margin

The margin size on the right of the page

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

Default: 3cm

top_margin

The margin size at the top of the page

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

Default: 3cm

bottom_margin

The margin size at the bottom of the page

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

Default: 3cm

background

An image to place in the background of the page

Accepts *BackgroundImage*: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (`<keyword>=<value>`) that determine how the image is displayed

Default: none

after_break_background

An image to place in the background after a page break

Accepts *BackgroundImage*: filename of an image file enclosed in quotes, optionally followed by space-delimited keyword arguments (`<keyword>=<value>`) that determine how the image is displayed

Default: none

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