

The Notebookinator

Easy formatting for robotics notebooks.

v1.0.0

<https://github.com/BattleCh1cken/notebookinator>

ABSTRACT

Welcome to the Notebookinator, a Typst package meant to simplify the notebooking process for the Vex Robotics Competition. Its theming capabilities handle all of the styling for you, letting you jump right into writing documentation.

While it was designed with VRC in mind, it could just as easily be used for other competitor systems such as the First Robotics Competition and the First Tech Challenge.

CONTENTS

1. Installation	3
2. Basic Usage	3
3. API Reference	4
3.1. Template	4
3.1.1. notebook	4
3.2. Entries	5
3.2.1. create-entry	5
3.2.2. create-frontmatter-entry	6
3.2.3. create-body-entry	6
3.2.4. create-appendix-entry	6
3.3. Glossary	6
3.3.1. add-term	6
3.4. Additional Datatypes	7
3.4.1. Theme	7
3.4.2. Context	7
3.5. Default Theme	7
3.5.1. Components	7
3.6. Radial Theme	9
3.6.1. Components	10
3.7. Linear Theme	16
3.7.1. Components	18
4. Developer Documentation	19
4.1. Project Architecture	19
4.2. File Structure	20
4.3. Implementing Your Own Theme	20
4.3.1. Creating the Entry Point	20
4.3.2. Implementing Theme Functions	20
4.3.3. Defining the Theme	21
4.3.4. Creating Components	22
4.4. Utility Functions	22
4.4.1. print-toc	22
4.4.2. print-glossary	22
4.4.3. calc-decision-matrix	23
4.4.4. change-icon-color	23
4.4.5. colored-icon	24

1. INSTALLATION

i Info

This installation process is temporary, as we wait for Typst to overhaul its process for packaging templates and packages.

The best way to install the Notebookinator is as a local package. Make sure you have the following software installed on your computer:

- [Typst](#)
- [Git](#)
- [VSCode](#)
- [just](#)

Once you've installed everything, simply run the following commands:

```
git clone https://github.com/BattleChicken/notebookinator
cd notebookinator
just install
```

i Info

If you're running this on Windows, you'll need to run these commands in a sh shell, like git-bash or the shell packaged with Cygwin or GitHub Desktop.

2. BASIC USAGE

Once the template is installed, you can import it into your project like this:

```
#import "@local/notebookinator:1.0.0": *
```

Once you've done that you can begin to write your notebook:

```
#import themes.default: default-theme, components
#show: notebook.with(theme: default-theme)
#create-body-entry(title: "My Entry")[
  #lorem(200)
]
```

You can then compile your notebook with the Typst CLI:

```
typst compile your-notebook-file.typ
```

3. API REFERENCE

3.1. Template

3.1.1. notebook

The base notebook template. This function is meant to be applied to your entire document as a show rule.

Example Usage:

```
#import themes.default: default-theme typ  
  
#show: notebook.with(  
  theme: default-theme  
)
```

3.1.1.1. Parameters

```
notebook(  
  team-name: string,  
  season: string,  
  year: string,  
  cover: content,  
  theme: theme,  
  body: content  
) -> content
```

3.1.1.1.1. team-name string

The name of your team.

Default: none

3.1.1.1.2. season string

The name of the current season

Default: none

3.1.1.1.3. year string

The years in which the notebook is being written

Default: none

3.1.1.1.4. cover content

the title page of the notebook

Default: none

3.1.1.1.5. **theme** `theme`

The theme that will be applied to all of the entries. If no theme is specified it will fall back on the default theme.

Default: (:)

3.1.1.1.6. **body** `content`

The content of the notebook. This will be ignored. Use the create-entry functions instead.

3.2. Entries

3.2.1. create-entry

Generic entry creation function.

3.2.1.1. Parameters

```
create-entry(  
  section: string,  
  title: string,  
  type: string,  
  date: datetime,  
  author,  
  witness,  
  body: content  
)
```

3.2.1.1.1. **section** `string`

The type of entry. Takes either “frontmatter”, “body”, or “appendix”.

Default: `none`

3.2.1.1.2. **title** `string`

The title of the entry.

Default: `" "`

3.2.1.1.3. **type** `string`

The type of entry. The possible values for this are decided by the theme.

Default: `none`

3.2.1.1.4. **date** `datetime`

The date that the entry occurred at.

Default: `none`

3.2.1.1.5. **body** `content`

The content of the entry.

3.2.2. **create-frontmatter-entry**

Variant of the `#create-entry()` function that creates a frontmatter entry.

3.2.3. **create-body-entry**

Variant of the `#create-entry()` function that creates a body entry.

3.2.4. **create-appendix-entry**

Variant of the `#create-entry()` function that creates an appendix entry.

3.3. Glossary

3.3.1. **add-term**

Add a term to the glossary

3.3.1.1. **Parameters**

```
add-term(  
  word: string,  
  definition: string  
)
```

3.3.1.1.1. **word** `string`

The word you're defining

3.3.1.1.2. **definition** `string`

The definition of the word

3.4. Additional Datatypes

3.4.1. Theme

Themes are stored as dictionaries with a set number of fields.

rules `function`

The show and set rules that will be applied to the document

cover `function`

A function that returns the cover of the notebook. Must take context as input.

frontmatter-entry `function`

A function that returns a frontmatter entry. Must take context and body as input.

body-entry `function`

A function that returns a body entry. Must take context and body as input.

appendix-entry `function`

A function that returns a appendix entry. Must take context and body as input.

3.4.2. Context

Provides information to a callback about how it's being called.

Context is stored as a dictionary with the following fields:

title `string`

The title of the entry

type `string` or `none`

The type of the entry. This value is used differently by different templates. Refer to the template level documentation to see what this means for your theme.

start-date `datetime`

The date at which the entry started.

end-date `datetime`

The date at which the entry ended.

page-number `integer` or `none`

The page number of the first page of the entry. Only available while using the `print-toc()` utility function.

3.5. Default Theme

The default theme.

⚠ Warning

This theme is very minimal, and is generally intended as a fallback for stuff that other themes don't implement.

3.5.1. Components

3.5.1.1. toc

Print out the table of contents

Example Usage:

```
#create-frontmatter-entry(title: "Table of Contents")[
  #components.toc()
]
```

typ

3.5.1.1.1. Parameters

`toc()`

3.5.1.2. glossary

Print out the glossary

Example Usage:

```
#create-frontmatter-entry(title: "Glossary")[
  #components.glossary()
]
```

typ

3.5.1.2.1. Parameters

`glossary()`

3.5.1.3. decision-matrix

A decision matrix table.

3.5.1.3.1. Parameters

`decision-matrix(`
 `properties: array,`
 `..choices: array`
`) -> content`

3.5.1.3.1.1. properties array

A list of the properties that each choice will be rated by

Default: ()

3.5.1.3.1.2. ..choices array

An array containing the name of the choices as its first member, and values for each of the properties at its following indices

3.5.1.4. pro-con

A table displaying pros and cons.

3.5.1.4.1. Parameters

```
pro-con(  
  pros: content,  
  cons: content  
) -> content
```

3.5.1.4.1.1. pros content

The positive aspects

Default: []

3.5.1.4.1.2. cons content

The negative aspects

Default: []

3.6. Radial Theme

The Radial theme is a minimal theme focusing on nice, rounded corners.

You can change the look of body entries by changing their type. The following types are available:

- "identify": For entries about the identify stage of the engineering design process.
- "brainstorm": For entries about the brainstorm stage of the engineering design process.
- "decide": For entries about the decide stage of the engineering design process.
- "build": For entries about the build stage of the engineering design process.
- "program": For entries about the programming stage of the engineering design process.
- "test": For entries about the testing stage of the engineering design process.
- "management": For entries about team management
- "notebook": For entries about the notebook itself

Minimal starting point:

```
// Import the template and theme here typ  
  
#show: notebook.with(theme: radial-theme)  
  
#create-frontmatter-entry(title: "Table of Contents") [  
  #components.toc()  
]  
  
#create-body-entry(  
  title: "Sample Entry", type: "identify", start-date: datetime(year: 1984, month:  
1, day: 1),  
) [  
  
  = Top Level heading  
  
  #lorem(20)  
  
  #components.admonition(type: "note") [  

```

```

#lorem(20)
]

#components.pro-con(pros: [
  #lorem(50)
], cons: [
  #lorem(20)
])

#components.decision-matrix(
  properties: ("Flavor", "Versatility", "Crunchiness"), ("Sweet Potato", 5, 3, 1),
  ("White Potato", 1, 2, 3), ("Purple Potato", 2, 2, 2),
)
]

#create-appendix-entry(title: "Glossary")[
  #components.glossary()
]

```

3.6.1. Components

3.6.1.1. toc

Print out the table of contents

Example Usage:

```

#create-frontmatter-entry(title: "Table of Contents")[
  #components.toc()
]

```

3.6.1.1.1. Parameters

`toc()`

3.6.1.2. glossary

Print out the glossary

Example Usage:

```

#create-frontmatter-entry(title: "Glossary")[
  #components.glossary()
]

```

3.6.1.2.1. Parameters

`glossary()`

3.6.1.3. admonition

A message in a colored box meant to draw the reader's attention.

3.6.1.3.1. Parameters

```
admonition(  
  type: string,  
  body: content  
) -> content
```

3.6.1.3.1.1. type string

The type of admonition. Available types include:

- “note”
- “example”
- “quote”
- “equation”
- “decision”
- “build”

Default: none

3.6.1.3.1.2. body content

The content of the admonition

3.6.1.4. pro-con

A table displaying pros and cons.

3.6.1.4.1. Parameters

```
pro-con(  
  pros: content,  
  cons: content  
) -> content
```

3.6.1.4.1.1. pros content

The positive aspects

Default: []

3.6.1.4.1.2. cons content

The negative aspects

Default: []

3.6.1.5. decision-matrix

A decision matrix table.

3.6.1.5.1. Parameters

```
decision-matrix(  
  properties: array,  
  ..choices: array  
) -> content
```

3.6.1.5.1.1. properties array

A list of the properties that each choice will be rated by

Default: none

3.6.1.5.1.2. ..choices array

An array containing the name of the choices as its first member, and values for each of the properties at its following indices

3.6.1.6. tournament

A Series of tables displaying match data from a tournament. Useful for tournament analysis entries.

3.6.1.6.1. Parameters

```
tournament(..matches: dictionary) -> content
```

3.6.1.6.1.1. ..matches dictionary

A list of all of the matches at the tournament. Each dictionary must contain the following fields:

- match (string) The name of the match
- red-alliance dictionary The red alliance
 - teams array
 - score integer
- blue-alliance dictionary The blue alliance
 - teams array
 - score integer
- won boolean Whether you won the match
- auton boolean Whether you got the autonomous bonus
- awp boolean Whether you scored the autonomous win point
- notes content Any additional notes you have about the match

3.6.1.7. pie-chart

Creates a labeled pie chart.

Example Usage:

```
#pie-chart(  
  (value: 8, color: green, name: "wins"),  
  (value: 2, color: red, name: "losses")  
)
```

```
)
```

3.6.1.7.1. Parameters

```
pie-chart(..data: dictionary) -> content
```

3.6.1.7.1.1. ..data dictionary

Each dictionary must contain 3 fields.

- value: integer The value of the section
- color: color The value of the section
- name: string The name of the section

3.6.1.8. plot

Example Usage:

```
#plot(  
  title: "My Epic Graph",  
  (name: "thingy", data: ((1,2), (2,5), (3,5))),  
  (name: "stuff", data: ((1,1), (2,7), (3,6))),  
  (name: "potato", data: ((1,1), (2,3), (3,8))),  
)
```

typ

3.6.1.8.1. Parameters

```
plot(  
  title: string,  
  x-label: string,  
  y-label: string,  
  length,  
  ..data: dictionary  
) -> content
```

3.6.1.8.1.1. title string

The title of the graph

Default: ""

3.6.1.8.1.2. x-label string

The label on the x axis

Default: ""

3.6.1.8.1.3. y-label string

The label on the y axis

Default: ""

3.6.1.9. gantt-chart

A gantt chart for task management

Example Usage:

```
#gantt-chart(  
  start: datetime(year: 2024, month: 1, day: 27),  
  end: datetime(year: 2024, month: 2, day: 3),  
  tasks: (  
    ("Build Robot", (0,4)),  
    ("Code Robot", (3,6)),  
    ("Drive Robot", (5,7)),  
    ("Destroy Robot", (7,8)),  
  ),  
  goals: (  
    ("Tournament", 4),  
  )  
)
```

3.6.1.9.1. Parameters

```
gantt-chart(  
  start: datetime,  
  end: datetime,  
  date-interval: integer,  
  date-format: string,  
  tasks: array,  
  goals: array  
) -> content
```

3.6.1.9.1.1. start datetime

Start date using datetime object

- year: integer
- month: integer
- day: integer

Example usage: datetime(year: 2024, month: 7, day: 16)

Default: datetime

3.6.1.9.1.2. end datetime

End date using datetime object

- year: integer
- month: integer
- day: integer

Example usage: datetime(year: 2024, month: 5, day: 2)

Default: datetime

3.6.1.9.1.3. date-interval `integer`

The interval between dates, seven would make it weekly

Default: `1`

3.6.1.9.1.4. date-format `string`

The way the date is formatted using the `datetime.display()` method

Default: `"[month]/[day]"`

3.6.1.9.1.5. tasks `array`

Specify tasks using an array of arrays that have three fields each

1. `string` or `content` The name of the task
2. `array(integer or float, integer or float)` The start and end point of the task
3. `color` The color of the task line (optional)

Example sub-array: `("Build Catapult", (1,5), red)`

Default: `()`

3.6.1.9.1.6. goals `array`

Add goal markers using an array of arrays that have three fields each

1. `string` or `content` The name of the goal
2. `integer` or `float` The position of the goal
3. `color` The color of the goal box (optional)
 - Default is grey, but put none for no box

Example sub-array: `("Worlds", 6, red)`

Default: `none`

3.6.1.10. team

Display information about your team.

Example Usage:

```
#team(  
  (  
    name: "Random Person",  
    picture: image("./path-to-image.png", width: 90pt, height: 90pt),  
    about: [  
      Likes Coding  
    ],  
  ),  
)
```

3.6.1.10.1. Parameters

`team(..members: dictionary) -> content`

3.6.1.10.1.1. ..members dictionary

A list of members in your team. Each dictionary must contain the following fields:

- name `string`: The name of the team member
- picture `content`: An image of the team member
- about `content`: About the team member

3.6.1.11. label

A label that corresponds with one of the entry types.

3.6.1.11.1. Parameters

```
label(  
  type: string,  
  size: size  
) -> content
```

3.6.1.11.1.1. type string

Any of the radial entry types

3.6.1.11.1.2. size size

The size of the label

Default: `0.7em`

3.7. Linear Theme

The Linear theme is a template that uses straight lines and boxes.

You can change the look of body entries by changing their type. The following types are available:

- "identify": For entries about the identify stage of the engineering design process.
- "brainstorm": For entries about the brainstorm stage of the engineering design process.
- "decide": For entries about the decide stage of the engineering design process/
- "build": For entries about the build stage of the engineering design process.
- "program": For entries about the programming stage of the engineering design process.
- "test": For entries about the testing stage of the engineering design process

Minimal starting point:

```
#create-frontmatter-entry(title: "Table of Contents") [  
  #components.toc()  
]
```



```

#create-body-entry(title: "Day 1", type: "identify", date: datetime(year: 1984,
month: 1, day: 1))[
  = Heading
  #lorem(50)
  #components.pro-con(
    pros: [
      #list(
        [Sweet potato],
        [Red potato],
        [Yellow potato]
      )
    ],
    cons: [
      #list(
        [Fries],
        [Wedges],
        [Mashed]
      )
    ]
  )
]

#create-body-entry(title: "Day 2", type: "identify", date: datetime(year: 1984,
month: 1, day: 2))[
  = Another Heading
  #lorem(50)
  #components.decision-matrix(
    properties: (
      (name: "Lorem", weight: 2),
      (name: "Ipsum")
    ),
    ("Dolor", 1, 3),
    ("Sit", 2, 2),
    ("Amet", 3, 1)
  )
  == A Smaller Heading
  #lorem(50)
]

#glossary.add-term("Term 1")[
  #lorem(10)
]

#glossary.add-term("Term 2")[
  #lorem(10)
]

```

```
#create-appendix-entry(title: "Glossary")[
  #components.glossary()
]
```

3.7.1. Components

3.7.1.1. decision-matrix

A decision matrix table.

Example Usage:

```
#decision-matrix(
  properties: (
    (name: "Versatility", weight: 2),
    (name: "Flavor", weight: 6),
    (name: "Crunchiness"), // Defaults to a weight of 1
  ),
  ("Sweet potato", 2, 5, 1),
  ("Red potato", 2, 1, 3),
  ("Yellow potato", 2, 2, 3),
)
```

3.7.1.1.1. Parameters

```
decision-matrix(
  properties: array,
  ..choices: array
) -> content
```

3.7.1.1.1.1. properties array

A list of the properties that each choice will be rated by

Default: **none**

3.7.1.1.1.2. ..choices array

An array containing the name of the choices as its first member, and values for each of the properties at its following indices

3.7.1.2. pro-con

A table displaying pros and cons.

Example Usage:

```
#pro-con(
  pros: [
    #list(
      [Sweet potato],
      [Red potato],
    )
  ]
)
```

```

    [Yellow potato]
  )
]
cons: [
  #list(
    [Fries],
    [Wedges],
    [Mashed]
  )
]
)

```

3.7.1.2.1. Parameters

```

pro-con(
  pros: content,
  cons: content
) -> content

```

3.7.1.2.1.1. pros `content`

The positive aspects

Default: []

3.7.1.2.1.2. cons `content`

The negative aspects

Default: []

3.7.1.3. toc

Print out the table of contents

Example Usage:

```

#create-frontmatter-entry(title: "Table of Contents")[typ
  #components.toc()
]

```

3.7.1.3.1. Parameters

```

toc()

```

4. DEVELOPER DOCUMENTATION

4.1. Project Architecture

The Notebookinator is split into two sections, the base template, and the themes. The base template functions as the backend of the project. It handles all of the information processing, keeps track of

global state, makes sure page numbers are correct, and so on. It exposes the main API that the user interacts for creating entries and creating glossary entries.

The themes act as the frontend to the project, and are what the user actually sees. The themes expose an API for components that need to be called directly inside of entries. This could include things like admonitions, charts, and decision matrices.

4.2. File Structure

- `lib.typ`: The entrypoint for the whole template.
- `internals.typ`: All of the internal function calls that should not be used by theme authors or users.
- `entries.typ`: Contains the user facing API for entries, as well as the internal template functions for printing out the entries and cover.
- `glossary.typ`: Contains the user facing API for the glossary.
- `globals.typ`: Contains all of the global variables for the entire project.
- `utils.typ`: Utility functions intended to help implement themes.
- `themes/`: The folder containing all of the themes.
 - `themes.typ`: An index of all the themes are contained in the template
- `docs.typ`: The entry point for the project documentation.
- `docs-template.typ`: The template for the project documentation.

4.3. Implementing Your Own Theme

The following section covers how to add a theme to the ones already in the template. It only covers how to write the code, and not how to get it merged into the main project. If you want to learn more about our contributing guidelines, check our `CONTRIBUTING.MD` file in our GitHub.

4.3.1. Creating the Entry Point

This section of the document covers how to add your own theme to the template. The first thing you'll have to do is create the entry point for your theme. Create a new directory inside the `themes/` directory, then create a Typst source file inside of that directory. For example, if you had a theme called `foo`, the path to your entry point would look like this: `themes/foo/foo.typ`.

Once you do this, you'll have to add your theme to the `themes/themes.typ` file like this:

```
#import `./foo/foo.typ`
```

typ

Do not use a glob import, we don't want to pollute the namespace with the functions in the theme.

4.3.2. Implementing Theme Functions

Next you'll have to implement the functions contained inside the theme. These functions are all called internally by the template. While we recommend that you create implementations for all of them, if you omit one the template will fall back on the default theme.

The first functions you should implement are the ones that render the entries. You'll need three of these, one for each type of entry (frontmatter, body, and appendix).

Each of these functions must take a context parameter, and a body parameter. The context parameter provides important information, like the type of entry, and the date it was written at. The body parameter contains the content written by the user.

The template expects that each of these functions returns a `#page()` as content.

Here's a minimal example of what these functions might look like:

```
#let frontmatter-entry(context: (:), body) = {
```

typ

```

show: page.with(
  header: [ = Frontmatter header ],
  footer: counter(page).display("i")
)

body
}

```

```

#let body-entry(context: (:), body) = {
  show: page.with(
    header: [ = Body header ],
    footer: counter(page).display("i")
  )

  body
}

```

```

#let appendix-entry(context: (:), body) = {
  show: page.with(
    header: [ = Appendix header ],
    footer: counter(page).display("i")
  )

  body
}

```

Next you'll have to define the rules. This function defines all of the global configuration and styling for your entire theme. This function must take a doc parameter, and then return that parameter. The entire document will be passed into this function, and then returned. Here's an example of what this could look like:

```

#let rules(doc) = {
  set text(fill: red) // Make all of the text red

  doc // Return the entire document
}

```

Then you'll have to implement a cover. The only required parameter here is a context variable, which stores information like team number, game season and year.

Here's an example cover:

```

#let cover(context: (:)) = [
  #set align(center)
  *Foo Cover*
]

```

4.3.3. Defining the Theme

Once you define all of your functions you'll have to actually define your theme. The theme is just a dictionary which stores all of the functions that you just defined.

The theme should be defined in your theme's entry point (themes/foo/foo.typ for this example).

Here's what the theme would look like in this scenario:

```
#let foo-theme = ( typ
  // Global show and set rules
  rules: rules,

  cover: cover,

  // Entry pages
  frontmatter-entry: frontmatter-entry,
  body-entry: body-entry,
  appendix-entry: appendix-entry
)
```

4.3.4. Creating Components

With your base theme done, you may want to create some additional components for you to use while writing your entries. This could be anything, including graphs, tables, Gantt charts, or anything else your heart desires.

4.4. Utility Functions

4.4.1. print-toc

Utility function to help themes implement a table of contents.

Example Usage:

```
#let toc() = utils.print-toc((frontmatter, body, appendix) => { typ
  for entry in body [
    #entry.title
    #box(width: 1fr, line(length: 100%, stroke: (dash: "dotted")))
    #entry.page-number
  ]
})
```

4.4.1.1. Parameters

`print-toc(callback: function) -> content`

4.4.1.1.1. callback function

A function which takes the [context](#) of all entries as input, and returns the content of the entire table of contents.

4.4.2. print-glossary

A utility function meant to help themes implement a glossary

4.4.2.1. Parameters

`print-glossary(callback: function) -> content`

4.4.2.1.1. callback function

A function that returns the content of the glossary

4.4.3. calc-decision-matrix

A utility function that does the calculation for decision matrices for you

Example Usage:

```
#calc-decision-matrix(typ
  properties: (
    (name: "Versatility", weight: 2),
    (name: "Flavor", weight: 6),
    (name: "Crunchiness"), // Defaults to a weight of 1
  ),
  ("Sweet potato", 2, 5, 1),
  ("Red potato", 2, 1, 3),
  ("Yellow potato", 2, 2, 3),
)
```

The function returns an array of dictionaries, one for each choice. Here's an example of what one of these dictionaries might look like:

```
#{name: "Sweet potato", values: (typ
  Versatility: (value: 3, highest: true),
  Flavor: (value: 1, highest: false),
  Crunchiness: (value: 1, highest: false),
  total: (value: 5, highest: false),
))
```

4.4.3.1. Parameters

```
calc-decision-matrix(
  properties: array string,
  ..choices: array
) -> array
```

4.4.3.1.1. properties array string

A list of the properties that each choice will be rated by

Default: ()

4.4.3.1.2. ..choices array

All of the choices that are being rated. The first element of the array should be the name of the

4.4.4. change-icon-color

Returns the raw image data, not image content You'll still need to run image.decode on the result

4.4.4.1. Parameters

```
change-icon-color(
  raw-icon: string,
  fill: color
) -> string
```

4.4.4.1.1. raw-icon `string`

The raw data for the image. Must be svg data.

Default: ""

4.4.4.1.2. fill `color`

The new icon color

Default: red

4.4.5. colored-icon

Takes the path to an icon as input, recolors that icon, and then returns the decoded image as output.

4.4.5.1. Parameters

```
colored-icon(  
  path: string,  
  fill: color,  
  width: ratio length,  
  height: ratio length,  
  fit: string  
) -> content
```

4.4.5.1.1. path `string`

The path to the icon. Must point to a svg.

4.4.5.1.2. fill `color`

The new icon color.

Default: red

4.4.5.1.3. width `ratio length`

Width of the image

Default: 100%

4.4.5.1.4. height `ratio length`

height of the image

Default: 100%

4.4.5.1.5. **fit** `string`

How the image should adjust itself to a given area. Takes either “cover”, “contain”, or “stretch”

Default: `"contain"`