

Sphinx-Needs-Theme

Version 1.0



Sphinx-Needs-Theme

This Sphinx theme provides a way to build beautiful PDFs based on CSS rules.

It is using **weasyprint** as PDF generator.

Installation

From source

```
git clone git@github.com:useblocks/sphinx-needs-theme.git
cd sphinx-needs-theme
pip install .
```

Building PDF

Inside your `docs` folder, run:

```
make needspdf
```

or for more control:

```
sphinx-build -M needspdf . _build
```

Configuration

Nothing available yet.

But we plan to support:

- Custom css files
- Custom title and last page images
- Easy configuration for font type, font sizes and colors

Technical details

The Sphinx-Needs-Theme registers the following stuff:

- A sphinx builder, called `pdf`.
- A sphinx theme, called `sphinx-need-pdf`.

Examples

Sphinx-Needs objects

Requirement: **Sphinx-Needs Theme extension support** REQ_001

status: done

tags: sphinx, extension

links incoming: SPEC_001

The Sphinx-Needs Theme for PDF shall support all possible Sphinx extensions an their outcome.

SPEC_001

Specification Example

Specification

status: open

tags: sphinx, example

links outgoing: REQ_001

A specification example with an image.



layout: complete

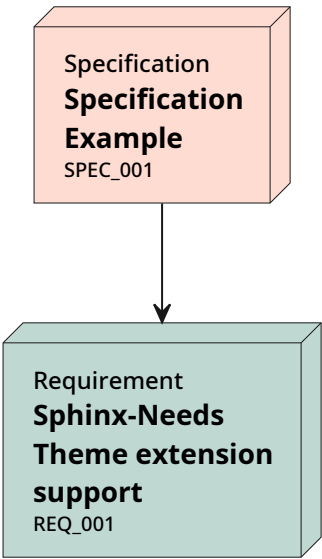
style:
green_border,
break

Sphinx-Needs tables

ID	Title			Status	Tags
REQ_001	Sphinx-Needs support	Theme	extension	done	sphinx; extension
SPEC_001	Specification Example			open	sphinx; example

Sphinx-Needs needflow

Using `plantuml` to render image.



CSV Table

CSV Table

Example CSV															
City	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Munich	1	3	7	7	6	4	8	8	7	5	9	9	5	9	9
Paris	1	4	8	8	7	5	9	9	6	6	10	10	6	10	10
Moscow	2	34	6	3	4	35	7	4	5	36	8	5	36	8	5
Madrid	3	7	-2	3	5	8	6	4	6	9	6	5	9	7	5

Example CSV															
City	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Rome	1	65	-34	4		66	7	5	6	67	6	6	67	8	6
Barcelona	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
Berlin	5	3	1	-1	-3	-5	-7	-9	-11	-13	-15	-17	-19	-21	-23
New York	6	3	0	-3	-6	-9	-12	-15	-18	-21	-24	-27	-30	-33	-36
Tokyo	7	8	9	10	11	12	13	14	15	3	17	18	13	14	15
Melbourn	8	2	-4	-10	-16	-22	-28	-34	-40	-46	5	-58	-21	-27	-33
San Francisco	9	2	-5	-12	5	-26	-33	-40	-47	3	-61	-68	-25	-32	-39
Rio	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Accra	9	2	-5	-12	-19	-26	-33	-40	-47	-54	-61	-68	-75	-82	-89
Munich	10	3	-4	-11	-18	-25	-32	-39	-46	-53	-60	-67	-74	-81	-88
Paris	11	4	-3	-10	-17	-24	-31	-38	-45	-52	-59	-66	-73	-80	-87
Moscow	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86
Madrid	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-85

Example CSV															
City	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Rome	14	7	0	-7	-14	-21	-28	-35	-42	-49	-56	-63	-70	-77	-84
Barcelona	15	8	1	-6	-13	-20	-27	-34	-41	-48	-55	-62	-69	-76	-83
Berlin	16	9	2	-5	-12	-19	-26	-33	-40	-47	-54	-61	-68	-75	-82
New York	17	10	3	-4	-11	-18	-25	-32	-39	-46	-53	-60	-67	-74	-81
Tokyo	18	11	4	-3	-10	-17	-24	-31	-38	-45	-52	-59	-66	-73	-80
Melbourn	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79
San Francisco	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78
Rio	21	14	7	0	-7	-14	-21	-28	-35	-42	-49	-56	-63	-70	-77
Accra	22	15	8	1	-6	-13	-20	-27	-34	-41	-48	-55	-62	-69	-76
Munich	23	16	9	2	-5	-12	-19	-26	-33	-40	-47	-54	-61	-68	-75
Paris	24	17	10	3	-4	-11	-18	-25	-32	-39	-46	-53	-60	-67	-74
Moscow	25	18	11	4	-3	-10	-17	-24	-31	-38	-45	-52	-59	-66	-73
Madrid	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72

Example
CSV

City	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Rome	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71
Barcelona	28	21	14	7	0	-7	-14	-21	-28	-35	-42	-49	-56	-63	-70
Berlin	29	22	15	8	1	-6	-13	-20	-27	-34	-41	-48	-55	-62	-69
New York	30	23	16	9	2	-5	-12	-19	-26	-33	-40	-47	-54	-61	-68
Tokyo	31	24	17	10	3	-4	-11	-18	-25	-32	-39	-46	-53	-60	-67

One last thing ...

This theme is heavily based on the excellent work of [Nekmo](#) for the [Sphinx Business Theme](#).

Without this work, this theme would never exist. Thanks for it ♥

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