

YAML templates in TYPOlight

Creating TYPOlight templates using the YAML CSS
framework

Helmut Schottmüller, TYPOlight User-Meeting 2008

Motivation

- My site looks different in every web browser...
- I want flexible layouts. Is there any construction kit available?
- I want to create standard compliant and accessible websites

Home: Yet Another Multicolumn Layout | An (X)HTML/CSS Framework

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yaml

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Bulletproof & Flexible Layouts Made Simple

"Yet Another Multicolumn Layout" (YAML) is an (X)HTML/CSS framework for creating modern and flexible floated layouts. The structure is extremely versatile in its programming and absolutely accessible for end users.

- Based on web standards
- Accessible
- Flexible
- Easy to use
- Fully documented


Information	Examples and Documentation	Community
<ul style="list-style-type: none">Overview / FeaturesBrowser SupportLicensing TermsOrder a license	<ul style="list-style-type: none">Online DocumentationYAML's Five Rules ...Layout ExamplesYAML Builder v1.0	<ul style="list-style-type: none">CMS IntegrationCommunity ForumFAQ (comming soon)

Two good news: YAML Shop and YAML Builder

With the beginning of february two good news can be announced. The YAML Shop opens its doors and there is a new version of the YAML Builder.


On February, 1st. the YAML Shop opened its doors. From now on, you can buy licenses and "ready to use" templates for several content management systems. At time international payment is possible only via invoice. International credit card payment will be available in 1 .. 2 weeks.

Second, the **YAML Builder 1.0 beta1** was released on February, 2nd. It comes with a new designed user interface, many new features and



Book: CSS-Layouts

CSS-Layouts



Praxislösungen mit YAML 3.0


The Book about modern layout techniques using CSS

[More information ...](#)

Softlinks

Softlink-Code:

Download latest version

 [Download YAML](#)
Version 3.0.4, multilingual (Build: 071127)

Introduction

What is YAML?

- A flexible, accessible layout based on floats
- Cross-browser compatible layout display
- The fewest possible restrictions
- Any order columns
- Stylesheet templates ordered by function
- Subtemplates

What is YAML not?

- YAML is not a prepackaged layout
- Individual adaptations are desired and necessary

Introduction

Accessibility and web standards

- Valid XHTML code and valid stylesheets
- Doing without layout tables
- Applying variable size units
- Skip Link Navigation
- Extensive browser support

 Windows

 Internet Explorer 5.01

 Internet Explorer 5.5


 Internet Explorer 6.0

 Internet Explorer 7.0

 Macintosh OS


 Safari 1.0.3+

 Camino 0.6+

 Linux

 Konqueror 3.3+

 Galeon 1.3+

 Epiphany 1.4.8+


 Lynx (Textbrowser)

All operating systems


 Firefox 1.0+


 Mozilla Suite 1.7.1+


 SeaMonkey 1.0+

 Netscape 8.0+

 Opera 6+

 Opera 6+

 Netscape 8.0+

 SeaMonkey 1.0+

CSS components

- Positioning of the main areas of the web page
- Screen layout: design of the main areas
- Formatting of the content
- Design of the navigational elements
- Print templates
- Bugfixes

CSS components

BASE LAYOUT

SCREEN LAYOUT

PRINT LAYOUT

YAML: CORE COMPONENT

base.css
/yaml/core/

YAML: OPTIONAL COMPONENT

nav_[anything].css
/yaml/navigation/

USER STYLESHEET

basemod.css *)
/css/screen/

USER STYLESHEET

content.css *)
/css/screen/

USER STYLESHEET

print_[columns].css *)
/css/print/

YAML: CORE COMPONENT

print_base.css
/yaml/core/

*) YAML offers special draft files

CENTRAL STYLESHEET

YAML: CORE COMPONENT

ie hacks.css
/yaml/core/

OPTIONAL USER STYLES

INTERNET EXPLORER PATCH STYLESHEET

INTERNET EXPLORER PATCH STYLESHEET

/yaml/core/

CSS components

Base stylesheet

```
<head>
...
<link href="css/my_layout.css" rel="stylesheet" type="text/css"/>
...
</head>
```

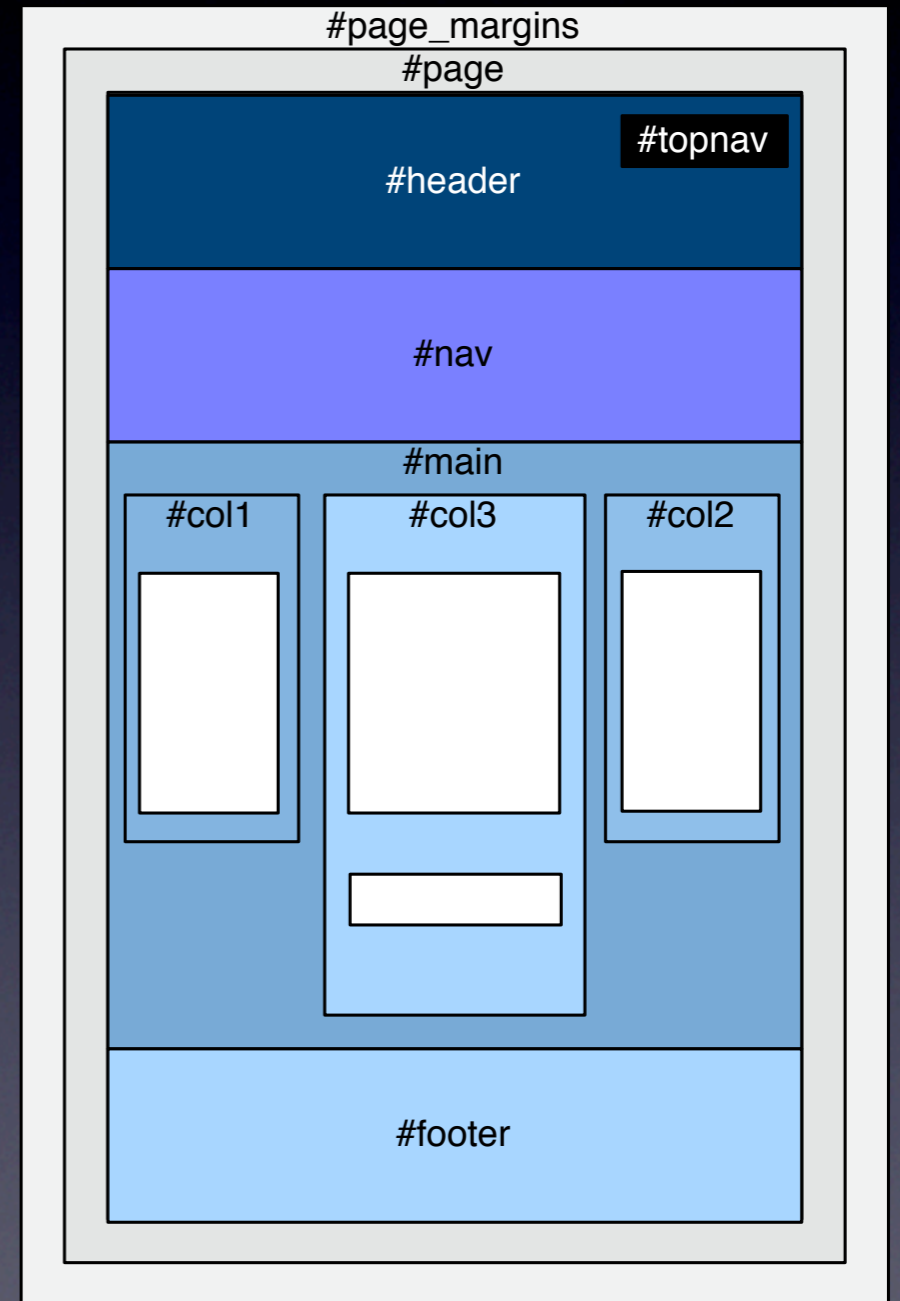
```
/* import core styles | Basis-Stylesheets */
@import url(../yaml/core/base.css);
/* import screen layout | Screen-Layout einbinden */
@import url(../yaml/navigation/nav_shinybuttons.css);
@import url(screen/basemod.css);
@import url(screen/content.css);
/* import print layout | Druck-Layout einbinden */
@import url(../yaml/print/print_003_draft.css);
```

```
<head>
...
<!--[if lte IE 7]>
<link href="css/patches/patch_my_layout.css" rel="stylesheet" type="text/css" />
<![endif]-->
...
</head>
```

CSS components

Layout Skeleton

- Margins
- Page
- Header
- Top navigation
- Navigation
- Main content
 - ▶ Column 1 (float)
 - ▶ Column 2 (float)
 - ▶ Column 3 (statisch)
- Footer



CSS components

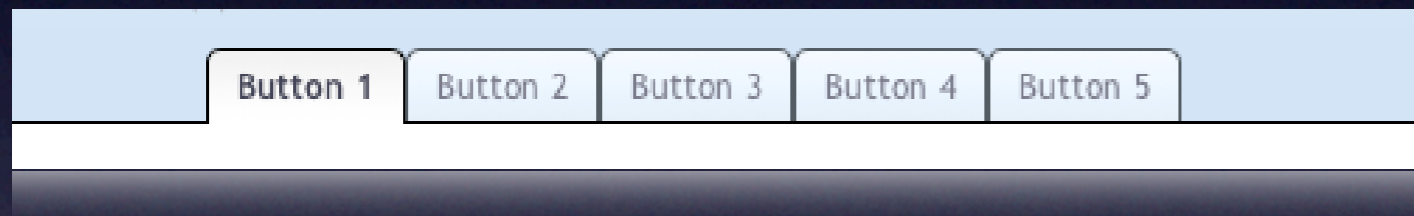
Individual layout definitions

- Individual layout definitions by changing the base stylesheet
 - ▶ By modifying the relevant containers
#page_margins, #page, #header, #topnav,
#main, #footer
 - ▶ By modifying and formatting the content containers
#col1, col1_content, #col2,
#col2_content, #col3, #col3_content

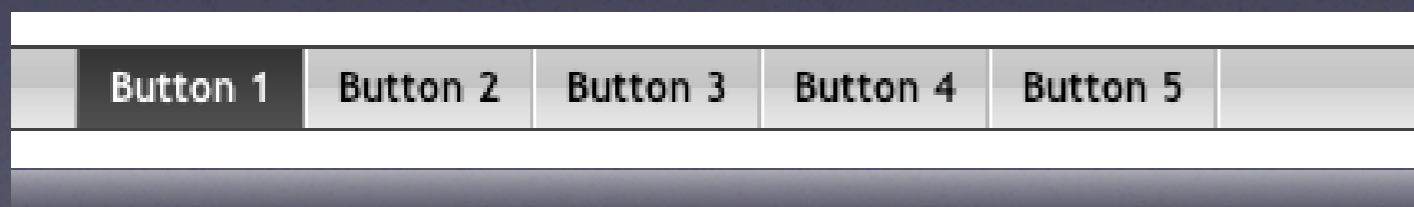
CSS components

Navigation components

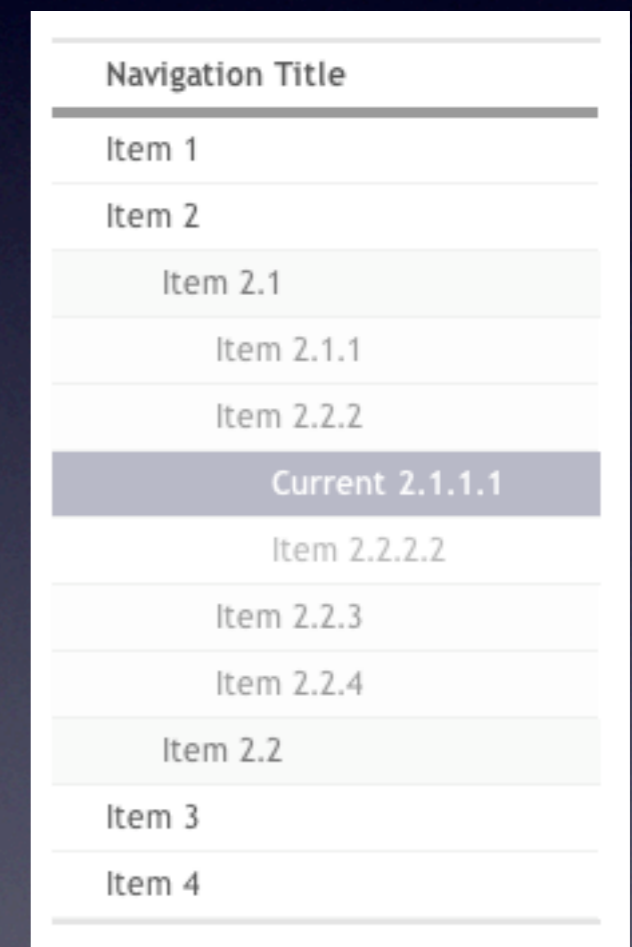
Sliding Door Navigation



Shiny Buttons Navigation



Vertical List Navigation



[6W 4

[6W 3

[6W 5

CSS components

Layout Adjustments for Printing

- 7 print stylesheets to print out every combination of columns
- Automatic Display of URLs
- Automatic decoration of acronyms and abbreviations
- Optional column labeling for print output

Practice

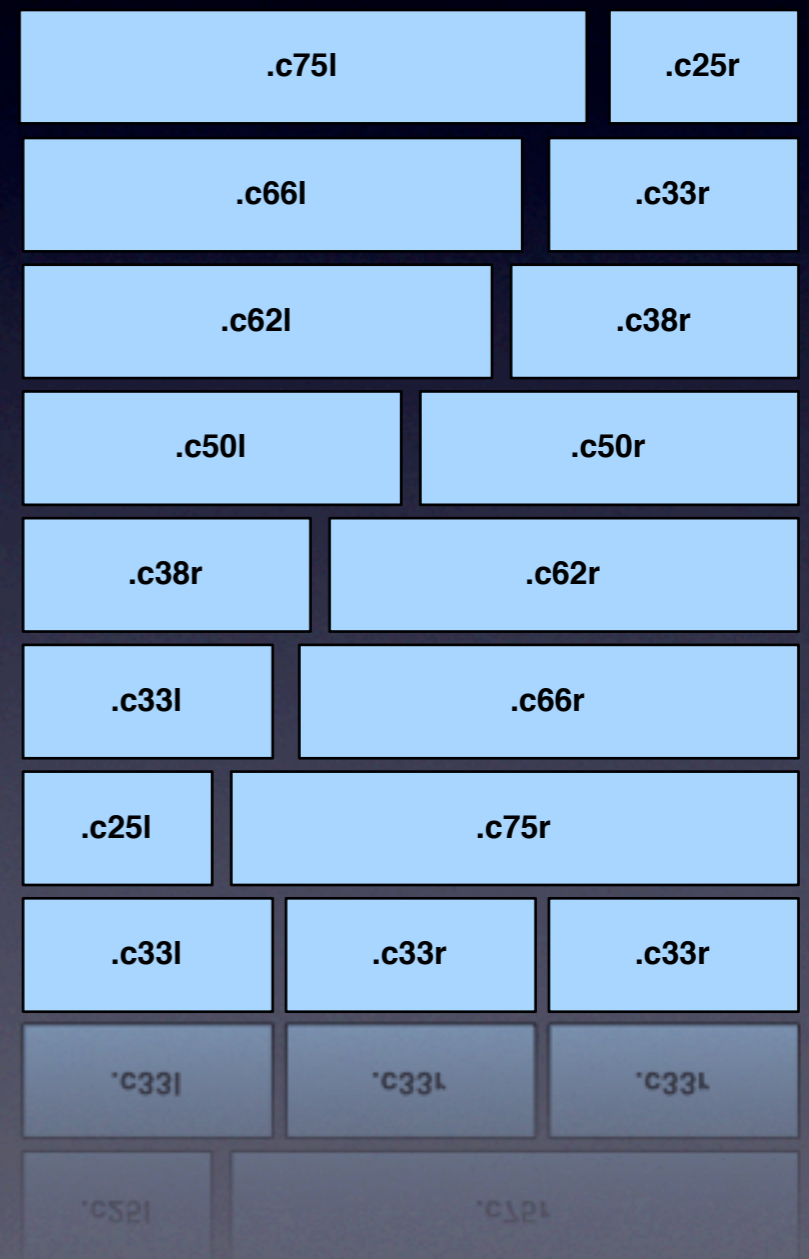
- In addition to the documentation, the examples folder in the YAML download package contains a great number of prefabricated sample layouts
- Variable Order and Use of Content Columns
- Much freer use of content blocks with SUBTEMPLATES

Practice

Subtemplates

Predefined classes for flexible arrangements

```
<div class="subcolumns">
  <div class="c50l">
    <div class="subcl">
      <!-- Inhalt linker Block -->
      ...
    </div>
  </div>
  <div class="c50r">
    <div class="subcr">
      <!-- Inhalt rechter Block -->
      ...
    </div>
  </div>
</div>
```

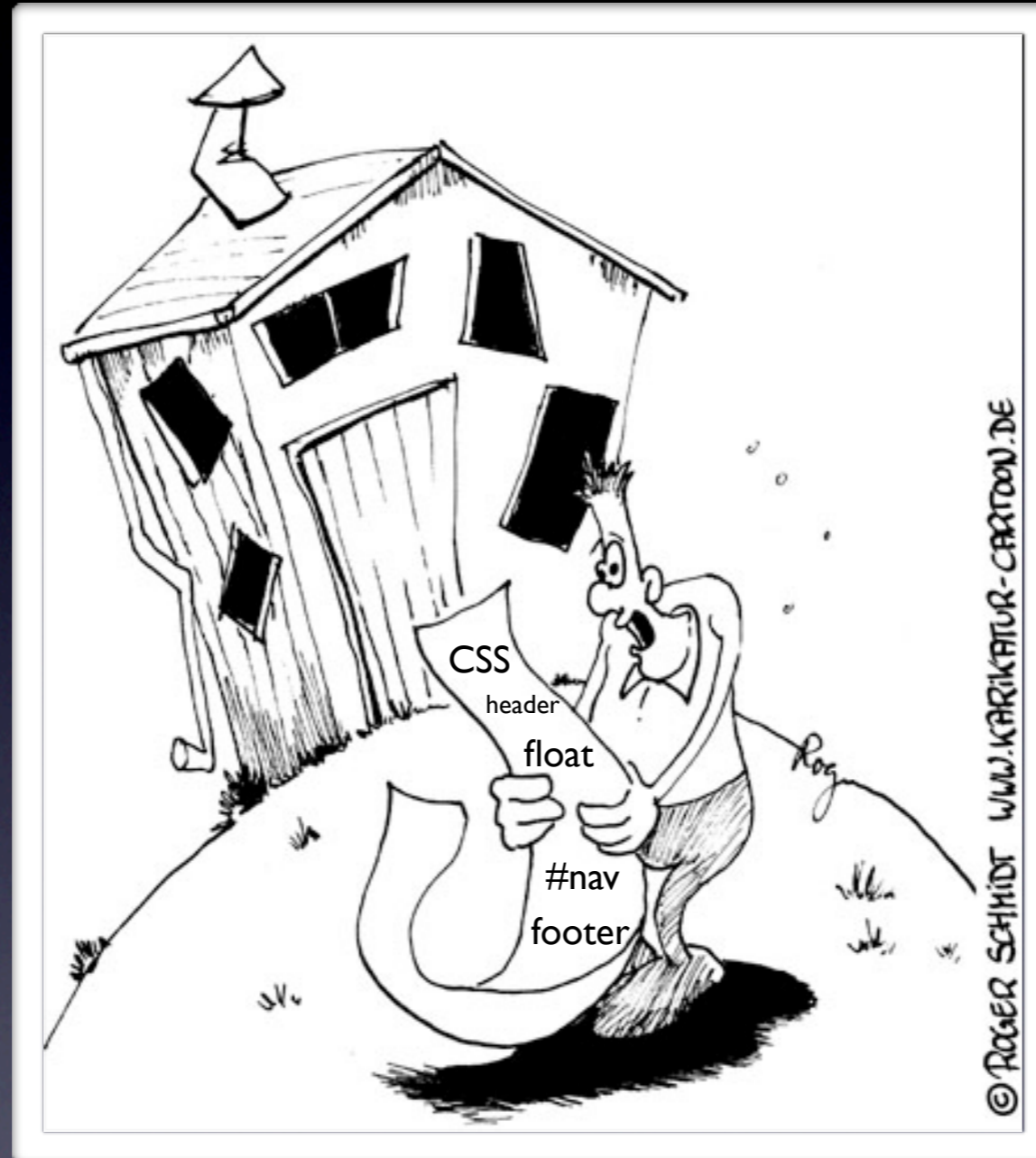


License conditions



- Creative Commons Attribution 2.0 License (CC-A 2.0)
- Permits both the non-commercial and the commercial use of the framework
- Non-commercial use: Backlink to the YAML homepage in a suitable place (footer or imprint)
- Without backlink: Project Related License 59 €, General License 119 €

Somehow complicated



but there is...

YAML Builder

- Edit all essential layout settings directly in the builder
- Add predefined content elements by drag & drop
- Add subtemplates by drag & drop
- Code generation for XHTML and all needed CSS classes compliant with the „Simple Project Example“

YAML Builder

How to build it?

The screenshot displays the 'YAML Builder' application interface. The main workspace is divided into sections: a 'HEADER' at the top, a 'FOOTER' at the bottom, and a central content area with two columns labeled 'COLUMN ONE' and 'COLUMN THREE'. A navigation bar with five buttons ('Button 1' to 'Button 5') is positioned between the header and the content area. A central configuration panel, titled 'YAML Builder V1.0 © 2007-2008 Dirk Jesse | What is YAML?', is overlaid on the workspace. This panel includes tabs for 'Basics', 'Extended', 'DOM Tree', and 'About'. The 'Basics' tab is active, showing 'LAYOUT OPTIONS' (Layout Preset: 2 Columns, Navigation Template: Sliding Door, Column Dividers: disabled, Graphical Layout Borders: enabled), 'LAYOUT PROPERTIES' (alignment: center, width: auto, min: 740px, max: 90em), and 'COLUMN PROPERTIES' (column order: 1-3 | left, left: #col1, right: #col3, with a 25% width and a lock icon). A note at the bottom of the panel states 'Mixed units (px,em,ex or %) allowed.' At the bottom of the panel are buttons for 'Toggle View', 'Reset', and 'Get Code'. The text 'Layout based on YAML' is visible in the footer area.

YAML Builder

How to build it?

The screenshot displays the 'YAML Builder' application interface, which is used for constructing web page layouts. The interface is divided into several sections:

- Header:** A grey bar at the top containing a text area with Lorem Ipsum placeholder text and a yellow tooltip that reads 'DIV-Element: id=#header'.
- Navigation:** A row of five buttons labeled 'Button 1' through 'Button 5'.
- YAML Builder Panel (Left):**
 - Version: V1.0 © 2007-2008 Dirk Jesse | What is YAML?
 - Navigation: Basics, Extended, DOM Tree, About
 - OPTIONAL LAYOUT ELEMENTS: Checkboxes for #page, #header, #topnav position, #nav, #footer, and a dropdown for #topnav position (set to 'not used').
 - DROPPABLE CONTENT ELEMENTS: Categories for Headings (H1-H6) and Text Elements (list, paragraph, table, image).
 - DROPPABLE SUBTEMPLATES: Categories for Flexible Grids (25%|75%, 33%|66%, 38%|62%) and Content Boxes (left aligned, centered, right aligned).
 - HTML/CSS CODE OPTIONS: Doctype (XHTML 1.0 Transitional) and IE6 min-/max-width (JS-Expressions).
 - Current View: Construction View
 - Buttons: Toggle View, Reset, Get Code
- Main Construction Area:**
 - H1 Heading:** A large heading followed by Lorem Ipsum text.
 - [Subtemplate 3x33]:** A subtemplate containing:
 - H2 Heading:** A heading followed by a bulleted list of five items.
 - H2 Heading:** A heading followed by an empty content area.
 - H2 Heading:** A heading followed by a table:

Table Heading		
Col 1	Col 2	Col 3
Row 1	content 1.1	content 1.2
Row 2	content 2.1	content 2.3

YAML Builder

How to build it?

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et.

DIV-Element: id=#header

Button 1 Button 2 Button 3 Button 4 Button 5

H1 Heading

1. List Item
2. List Item
3. List Item
4. List Item
5. List Item

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et.

H1 Heading

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et.

H2 Heading

- List Item 1
- List Item 2
- List Item 3
- List Item 4
- List Item 5

H2 Heading

H2 H

Col 1
Row 1
Row 2

Layout based on YAML

The screenshot shows the 'YAML Builder' application interface. At the top, it displays the title 'YAML Builder' and version 'V1.0 © 2007-2008 Dirk Jesse | What is YAML?'. Below the title are navigation tabs: 'Basics', 'Extended', 'DOM Tree', and 'About'. The main content area is divided into several sections:

- OPTIONAL LAYOUT ELEMENTS:** A list of checkboxes for '#page', '#header', '#nav', '#footer', and '#topnav position'. The '#topnav position' dropdown is set to 'not used'.
- DROPPABLE CONTENT ELEMENTS:** A section for 'Headings' with buttons for H1, H2, H3, H4, H5, and H6. To the right are icons for 'Text Elements' (list, ordered list, table).
- DROPPABLE SUBTEMPLATES:** A section for 'Flexible Grids' with a table showing grid configurations (25% | 75%, 33% | 66%, 38% | 62%) and a vertical slider. To the right are 'Content Boxes' with options for 'left aligned', 'centered', and 'right aligned'.
- HTML/CSS CODE OPTIONS:** A section with dropdowns for 'Doctype' (set to 'XHTML 1.0 Transitional') and 'IE6 min-/max-width' (set to 'JS-Expressions').

At the bottom, it shows 'Current View: Design Preview' and three buttons: 'Toggle View', 'Reset', and 'Get Code'.

YAML no base d'opu

Toggle View Reset Get Code

Current View: Design Preview

YAML Builder

How to build it?

Code Preview

(X)HTML Code

my_layout.css

basemod.css

patch_my_layout.css

```
01. <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
02. transitional.dtd">
03. <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
04. <head>
05. <title>Your Page Title</title>
06. <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
07. <!-- add your meta tags here -->
08. <link href="css/my_layout.css" rel="stylesheet" type="text/css" />
09. <!--[if lte IE 7]>
10. <link href="css/patches/patch_my_layout.css" rel="stylesheet" type="text/css" />
11. <![endif]-->
12. </head>
13. <body>
14. <div id="page_margins">
15. <!-- start: skip link navigation -->
16. <a class="skip" title="skip link" href="#navigation">Skip to the navigation</a><span class="hideme">.</span>
17. <a class="skip" title="skip link" href="#content">Skip to the content</a><span class="hideme">.</span>
18. <!-- end: skip link navigation -->
19. <div id="border-top">
20. <div id="edge-tl"></div>
21. <div id="edge-tr"></div>
22. </div>
23. <div id="page">
24. <div id="header">
25. <p>Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut
```

Close Preview

Copy to clipboard

Lorem ipsum do
accusam et just
elit, sed diam

Button 1

H1 Head

1. List Item
2. List Item
3. List Item
4. List Item
5. List Item

Lorem ipsum do
sadipscing elitr
tempor invidun
magna aliquyam
At vero eos et a
dolores et ea re
gubergren, no s
Lorem ipsum do
dolor sit amet,
elit, sed diam
invidunt ut labo
aliquyam erat,
vero eos et acc

Layout based on YAML

eos et
adipscing

builder

by Jesse | What is YAML?

DOM Tree About

OUT ELEMENTS

header #topnav position
footer not used

CONTENT ELEMENTS

Text Elements
H5 H6

TEMPLATES

Content Boxes
left aligned
centered
right aligned

OPTIONS

XHTML 1.0 Transitional
JS-Expressions

Current view: Design Preview

Toggle View

Reset

Get Code

YAML Builder

Build it in reality - Demonstration

<http://builder.yaml.de>

The screenshot shows a web browser window displaying the 'YAML Builder' application. The browser's address bar shows 'http://builder.yaml.de/'. The page features a header with 'TOPNA' and navigation links, a main content area with three columns labeled 'COLUMN ONE', 'COLUMN TWO', and 'COLUMN THREE', and a footer with 'FOOTER'. A central dialog box titled 'YAML Builder V1.0 © 2007-2008 Dirk Jesse | What is YAML?' is open, showing configuration options for layout and column properties.

YAML Builder
V1.0 © 2007-2008 Dirk Jesse | What is YAML?

Basics Extended DOM Tree About

LAYOUT OPTIONS

- Layout Preset: 3 Columns
- Navigation Template: Shiny Buttons
- Column Dividers: disabled
- Graphical Layout Borders: disabled

LAYOUT PROPERTIES

alignment	width	min	max
center	auto	740px	90em

COLUMN PROPERTIES

column order	left	center	right
1-3-2	#col1	#col3	#col2
	25%	auto	25%

Mixed units (px,em,ex or %) allowed.

Current View: Construction View

Toggle View Reset Get Code

Layout based on YAML