

# The xcookybooky package\*

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## Abstract

This package is made for typesetting recipes. You simply enter ingredients, preparation steps and get a beautiful recipe page. It is also possible to enter 2 pictures, which are displayed above the name of the recipe. Another option is to write a hint, which is displayed at the bottom.

## Change History

v1.0

General: Initial version . . . . . 1

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\*This document corresponds to xcookybooky v1.0, dated 2011/12/29.

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## 1 Introduction

When I was looking for template for recipes, I found the `cookybooky` package by Jürgen Gilg (<http://www.ctan.org/tex-archive/macros/latex/contrib/cookybooky>). It looks very good, but I was unable to compile it correctly (e.g. I haven't got the Lucida fonts). Also there are some packages which have to be downloaded by hand, because there are not available at CTAN. Other handycaps are the missing possibility to create a PDF-file directly and a recipe cannot be longer than a single page. So decided to take a look at the code. Step by step I replaced all critical parts. Finally it is now possible to write recipes much easier (at least in my opinion).

## 2 Comparison between `xcookybooky` and `cookybooky`

There is no compatibility between `xcookybooky` and `cookybooky`, even the name is associating it. The reason for the naming is nearly similar design.

A comparison between `xcookybooky` and `cookybooky` is shown in table 1.

Characteristic	<code>xcookybooky</code>	<code>cookybooky</code>
Maximum recipe length	unlimited	1 page
Support missing pictures	yes	no
Transparent background graphic	not part of package (see section 3.3)	yes
Main Layout	wraptable	minipages
Support twoside option	only changing pictures above	full
Generate recipe	environment	macro

Table 1: Comparison between `xcookybooky` and `cookybooky`

### 3 Usage

First I want to explain the most important macros. After this you should be able to insert recipes. Afterwards some macros are shown, which allows you to modify the design (e.g. colors, headlines).

**recipe** This the environment to insert recipes. Each recipe is included in a single enviroment. It is necessary to enter the name of the recipe. It is possible to insert also the recipetime, the portions, the calory content and the source (where you get this recipe).

Example:

```
\begin{recipe}[
  preparationtime = 30 min,
  bakingtime = 1 hour,
  bakingtemperature = \unit[225]{°C},
  portion = 4 portions,
  calory = 4 kj,
  source = My neighbour Sarah
]{Currywurst}
...
\end{recipe}
```

**\graph** It is possible to set 2 pictures by the macro **graph**. They are displayed above the other content. If no pictures are set, the space is used by the other content. The **big** picture should be bigger than the **small** picture ;)

Example:

```
\graph{
  small = strawberry,
  big = strawberrycake
}
```

**\ingredients** Here the ingredients of your recipe are set. They should be entered by number (unit) & ingredient. If the unit is a SI-Unit, it looks better if you use the **units** package instead of a blank.

Example:

```
\ingredients{
  2 Tafeln & dunkle Schokolade\\
    & (über \unit[70]{\%})\\
  3      & Eier\\
  \unit[200]{ml} & Sahne\\
  \unit[40]{g} & Zucker\\
  \unit[50]{g} & Butter
}
```

**\preparation** The preparation steps are inserted by this macro. Every step is written after **step** command. This is necessary for the numeration.

Example:

```

\preparation{
  \step This is the first step for cooking a brilliant meal.
  \step The second step follows...
  \step and so on
  \step Enjoy your meal!
}

```

**\portion** This macro is intended as an interface for an equal formatting of portions entries. For this it can be easily modified. You just have to renew this command.

**\bakingtemperature** This macro allows you to enter some bakingtemperatures. If you do not like the order of the temperatures you can change them by redefining the command. The temperatures are inserted as key/value pairs as known from the **xkeyval** package.

Example (an entry in options of an recipe):

```

\begin{recipe}
[
  bakingtemperature={\protect\bakingtemperature{fanoven=\unit[230]{°C},
    topbottomheat=\unit[195]{°C}, topheat=\unit[195]{°C}, bottomheat, gasstove=Stufe 2}}
]{Currywurst}
\end{recipe}

```

### 3.1 Modify design

The following macros can be used outside the recipe environment to choose your personal color etc.

**\setRecipeColors** If you want to change the default colors, you can use **setRecipeColors**. The colors are set by `<key = value>` as known by the **xkeyval** package. The names of colors can be found in table 2. New colors can be easiliy defined by the **xcolor** package as shown the example below.

key	default value	description
recipename	green	recipe name
ing	gray	ingredients (text)
inghead	gray	headline of the ingredients
prep	black	preparation (text)
prephead	black	headline of the preparation
hint	red	hint (text)
hinthead	red	headline of the hint
hintline	red	lines leftside the hint text (cross)
numeration	red	numeration of the preparation steps

Table 2: Color Management

Example:

```
\definecolor{webgreen}{rgb}{0,.5,0}

\setRecipeColors{
  recipename = webgreen,
  ing = blue,
  numeration = black,
}
```

**\setRecipeSizes** The macro `setRecipeSizes` enables you to modify the fontsize of many parts of the recipe. The sizes are inserted by `<key = value>` (`xkeyval`).

Example (these are the default values):

```
\setRecipeSizes{
  recipename = \fontsize{24pt}{30pt},
  ing = \normalsize,
  inghead = \normalsize,
  prep = \normalsize,
  prephead = \normalsize,
  hint = \normalsize,
  hinthead = \Large
}
```

**\setRecipeNameFont** The name of recipe is displayed with a handwritten font by default. In my opinion it looks much better than a standard font. But if you want to change it you can use this macro. A well-arranged list of fonts can be found at <http://www.tug.dk/FontCatalogue/>. The other parameters are fontencoding, fontseries and fontshape. The size is changed by `setRecipeSizes`.

Example (some fonts you could try out):

```
\setRecipeNameFont{
  % pbsi
  % fau
  % fwb
  fjd % default
}{T1}{m}{n}
```

## 3.2 Translation

**\setHeadlines** `setHeadlines` allows to modify the default headlines. This is also needed for translations (The default values are german, sorry). The headlines are also inserted in `<key = value>` form.

Example (a possible english translation):

```
\setHeadlines{
  inghead = Ingredients,
  prephead = Preparation,
  hinthead = Hint,
```

```
calory = energy content,  
continuationhead = Continuation,  
continuationfoot = Continuation on next page  
}
```

### 3.3 Background graphic

Inside this package there is only the option to set a background picture using the `setBackgroundPicture` macro. For creating transparent backgrounds I recommend **Inkscape**<sup>1</sup>. You just have to import a picture and reduce the opacity of the picture (I prefer 22 %). The possible options for the orientation are: default, pagecenter, textcenter or stockcenter. To modify these orientations you have the possibility to change it manually by setting the `x` and `y` option (as shown below).

Example:

```
\setBackgroundPicture  
[%  
  x = 2cm,  
  y = -1cm,  
  width=\paperwidth-3cm,  
  height,  
  orientation=pagecenter  
{pic/bg_transparent} % filepath
```

---

<sup>1</sup><http://inkscape.org/>



## Mousse au Chocolat

🕒 1 h  
👤 5 Personen  
📄 R. Gaus

### Zubereitung

**1** Eier trennen, Eiweiß und Sahne separat steif schlagen. Butter und Schokolade vorsichtig im Wasserbad schmelzen.

**2** Eigelb in einer großen Schüssel mit 2 EL heißem Wasser cremig schlagen, den Zucker einrühren bis die Masse hell und cremig ist.

**3** Die geschmolzene Schokolade unterheben, anschließend sofort Eischnee und Sahne unterheben (nicht mit dem Elektro-Mixer!)

**4** Mindestens 2 Stunden im Kühlschrank kalt stellen. Aber nicht zu kalt servieren.

### Zutaten

2 Tafeln	dunkle Schokolade (über 70 %)
3	Eier
200 ml	Sahne
40 g	Zucker
50 g	Butter

### Tipp:

*Der Schokoladenanteil kann auch gesenkt werden.*



## 5 Troubleshooting

### 5.1 MiKTeX

If you have problems with the used fonts (e.g. `cookingsymbols`) it might be necessary to refresh the database of MiKTeX.

## 6 Bugs

If you found a bug, which is not described in the following section, feel free to write me an email. It can be found at the titlepage.

### 6.1 Known issues

The `wrapfig` package has some problems with enumerations and the `lettrine` package. This is the reason, why some warnings are generated by compiling (the example). But nevertheless the results looks quite well, so I decided to ignore this issue. By using `wrapfig` it is not possible to switch ingredients and preparation (the result looks really ugly). This is the reason, why the layout is not changed when setting the `twoside` option in the document class. I also tried `parcolumns` and `parallel`, but the results were disappointing. If you want to use this feature, you have to use `cookybooky`.

Another limitation is the length of the ingredients. The maximum length is one page, because the `wrapfigure` package does not work with `longtable`. As a result no pagebreak in the ingredients is possible.

## 7 Implementation

Let's have a look at the implementation.

### 7.1 Options

You can use the option `myconfig` to load your personal configuration (file). See section [7.9](#)

```
1 \<package>
2 \DeclareOption{myconfig}
3 {% load personal configuration
4   \AtEndOfPackage{
5     \InputIfFileExists{xcookybooky.cfg}
6     {\PackageInfo{xcookybooky}{inputting 'xcookybooky.cfg'}}
7     {\PackageWarning{xcookybooky}{cannot find the configuration file 'xcookybooky.cfg'}}
8   }
9 }
10 \ProcessOptions\relax
11
```

## 7.2 Required Packages

All needed packages are available at CTAN and as far as I know no general driver limitation are given.

```

12 \RequirePackage{tikz}                % for creating the lines for the hint
13 \RequirePackage{graphicx}
14 \RequirePackage{xcolor}
15 \RequirePackage{emerald}             % Handwritten Fonts
16 \RequirePackage[clock, misc, weather]{ifsym} % Symbolpackage e.g. \Interval, \Wecker etc
17 \RequirePackage{cookingsymbols}      % Cookings symbols e.g. \Oven, \Dish etc
18 \RequirePackage{wrapfig}             % To wrap the tabular with the ingredients
19
20 \RequirePackage{ifthen}
21 \RequirePackage{xkeyval}
22 \RequirePackage{lettrine}            % numbering the preparation steps
23 \RequirePackage{fancyhdr}
24 \RequirePackage{units}
25 \RequirePackage{eso-pic}             % for background pictures
26 \RequirePackage{picture}             % for modifying the position of the bg pictures
27

```

## 7.3 Page Layout

This will set up the page. It is optimized for the documentclass `article`. If you use a other package you probably have to modify this.

**Note:** I tried to use the KOMA class `scrartcl`, but unfortunately some strange effects occurred.

```

28 \setlength{\parindent}{0cm}
29 \setlength{\parskip}{2ex plus 0.5ex}
30
31 \setlength{\textwidth}{15.5cm}
32 \setlength{\textheight}{24.0cm}
33 \setlength{\topmargin}{-0.8cm}
34 \setlength{\headheight}{12pt} %0cm
35 \setlength{\headsep}{1cm}
36 \setlength{\topskip}{0cm}
37 \setlength{\footskip}{1.4cm}
38 \setlength{\evensidemargin}{-0.5cm}
39 \setlength{\oddsidemargin}{0.5cm}
40 \setlength{\voffset}{0cm}
41 \setlength{\hoffset}{0cm}
42 \setcounter{secnumdepth}{2} % subsubsections not numbered
43 \setcounter{tocdepth}{3}   % subsubsections in the .toc file
44

```

`\recipesection` The macro `recipesection` allows to modify the entry in the table of contents. **Note:** If you modify the macro you may change the two upper lines as well.

```

45 \newcommand*{\recipesection}[2] []
46 {%
47   \subsubsection[#1]{#2}
48 }
49

```

## 7.4 Color Management

Below the (default) colors are defined using the `xkeyval` package.

```

50 \define@key{colorManagement}{recipename}[green]{\def\xcb@color@recipename{#1}}
51 \define@key{colorManagement}{ing}[gray]{\def\xcb@color@ing{#1}}
52 \define@key{colorManagement}{inghead}[gray]{\def\xcb@color@inghead{#1}}
53 \define@key{colorManagement}{prep}[black]{\def\xcb@color@prep{#1}}
54 \define@key{colorManagement}{prephead}[black]{\def\xcb@color@prephead{#1}}
55 \define@key{colorManagement}{hint}[black]{\def\xcb@color@hint{#1}}
56 \define@key{colorManagement}{hinthead}[red]{\def\xcb@color@hinthead{#1}}
57 \define@key{colorManagement}{hintline}[red]{\def\xcb@color@hintline{#1}}
58 \define@key{colorManagement}{numeration}[red]{\def\xcb@color@numeration{#1}}
59 \savekeys{colorManagement}
60 {%
61     recipename,    % color of recipename
62     ing,           % color of ingredients (text)
63     inghead,       % color of headline of ingredients
64     prep,          % color of preparation (text)
65     prephead,      % color of headline of preparation
66     hint,          % color of hint (text)
67     hinthead,      % color of headline of hint
68     hintline,      % color of lines of hint
69     numeration     % color of numeration (preparation)
70 }
71

```

`\setRecipeColors` The parameter are set in the form "key = value" as known by the `xkeyval` package.

```

72 \newcommand*{\setRecipeColors}[1]
73 {%
74     \setkeys{colorManagement}{#1}
75 }
76

```

This is the initialisation of all required recipe colors.

```

77 \setRecipeColors
78 {% initialisation
79     recipename,
80     ing,
81     inghead,
82     prep,
83     prephead,
84     hint,
85     hinthead,
86     hintline,
87     numeration
88 }
89

```

## 7.5 Size Management

Below the (default) sizes are defined.

```

90 \define@key{sizeManagement}{recipename}[\fontsize{24pt}{30pt}]{\def\xcb@fontsize@recipename{#1}}
91 \define@key{sizeManagement}{ing}[\normalsize]{\def\xcb@fontsize@ing{#1}}
92 \define@key{sizeManagement}{inghead}[\normalsize]{\def\xcb@fontsize@inghead{#1}}
93 \define@key{sizeManagement}{prep}[\normalsize]{\def\xcb@fontsize@prep{#1}}
94 \define@key{sizeManagement}{prephead}[\normalsize]{\def\xcb@fontsize@prephead{#1}}
95 \define@key{sizeManagement}{hint}[\normalsize]{\def\xcb@fontsize@hint{#1}}
96 \define@key{sizeManagement}{hinthead}[\Large]{\def\xcb@fontsize@hinthead{#1}}
97 \savekeys{sizeManagement}
98 {
99     recipename,
100     ing,
101     inghead,
102     prep,
103     prephead,
104     hint,
105     hinthead
106 }
107

```

`\setRecipeSizes` The parameter are set in the form "key = value" as known by the `xkeyval` package.

```

108 \newcommand*{\setRecipeSizes}[1]
109 {
110     \setkeys{sizeManagement}{#1}
111 }
112

```

This is the initialisation of all required recipe sizes.

```

113 \setRecipeSizes
114 {% initialisation
115     recipename,
116     ing,
117     inghead,
118     prep,
119     prephead,
120     hint,
121     hinthead
122 }
123

```

`\setRecipeNameFont` This macro sets the font for the name of the recipe. You have to insert the fontfamily, fontencoding, fontseries and fontshape. The size is set by the `sizeManagement`

```

124 %% Handwritten fonts: hlce, pbsi, hlcv, fjd, fau
125 %% Other fonts: fw
126 \newcommand*{\setRecipeNameFont}[4]
127 {% sets the font for the recipename
128     \def\xcb@font@recipename
129     {
130         \fontfamily{#1}
131         \fontencoding{#2}
132         \fontseries{#3} %x1
133         \fontshape{#4}
134         \xcb@fontsize@recipename
135         \selectfont

```

```

136     }
137 }

```

This is the initialisation of the font for the recipename.

```

138 \setRecipenameFont{fjd}{T1}{m}{n}
139

```

We need a counter for the numeration of the preparation steps.

```

140 \newcounter{step}
141 \setcounter{step}{0}

```

Set the color of the numeration of preparation steps.

```

142 \renewcommand{\LettrineFontHook}
143 {%
144     \color{\xcb@color@numeration}
145 }
146

```

`\step` The command is used for numbering the steps of preparation. Take a look at the `lettrine` package for details.

```

147 \newcommand{\step}
148 {%
149     \lettrine
150     [%
151         lines=2,
152         lhang=0,           % space into margin, value between 0 and 1
153         loversize=0.15,    % enlarges the height of the capital
154         slope=0em,
155         findent=1em,       % gap between capital and intended text
156         nindent=0em       % shifts all intended lines, beginning with the second line
157     ]{\stepcounter{step}\thestep}{}%
158 }
159
160 \define@key{headlines}{inghead}[Zutaten]{
161     \def\xcb@name@inghead{\textcolor{\xcb@color@inghead}{\textbf{\xcb@fontsize@inghead{#1}}}\ }
162 }
163 \define@key{headlines}{prephead}[Zubereitung]{
164     \def\xcb@name@prephead{\textcolor{\xcb@color@prephead}{\textbf{\xcb@fontsize@prephead{#1}}}\ }
165 }
166 \define@key{headlines}{hinthead}[Tipp:]{
167     \def\xcb@name@hinthead{\textcolor{\xcb@color@hinthead}{\xcb@fontsize@hinthead{#1}}}
168 }
169 \define@key{headlines}{continuationhead}[Fortsetzung]{\def\xcb@name@continuationhead{#1}}
170 \define@key{headlines}{continuationfoot}[Fortsetzung auf n"achster Seite]{\def\xcb@name@continuationfoot{#1}}
171 \define@key{headlines}{preparationtime}[\fontsize{14.5pt}{10pt}\Gloves]{\def\xcb@name@preparationtime{#1}}
172 \define@key{headlines}{bakingtime}[\fontsize{14.5pt}{10pt}\Oven]{\def\xcb@name@bakingtime{#1}}
173 \define@key{headlines}{bakingtemperature}[\Thermo{4}]{\def\xcb@name@bakingtemperature{#1}}
174 \define@key{headlines}{portion}[\fontsize{14.5pt}{10pt}\Dish]{\def\xcb@name@portion{#1}}
175 \define@key{headlines}{portionvalue}[Personen]{\def\xcb@name@portionvalue{#1}}
176 \define@key{headlines}{calory}[Brennwert]{\def\xcb@name@calory{#1}}
177 \define@key{headlines}{source}[\PaperPortrait]{\def\xcb@name@source{#1}}

```

```

178 \savekeys{headlines}
179 {
180     inghead,
181     prephead,
182     hinthead,
183     continuationhead,
184     continuationfoot,
185     preparationtime,
186     bakingtime,
187     bakingtemperature,
188     portion,
189     portionvalue,
190     calory,
191     source
192 }

```

**\setHeadlines** This allows you to modify the headlines for the recipe parts. This also needed for translations (The default values are german, sorry). The parameter are set in the form "key = value" as known by the **xkeyval** package.

```

193 \newcommand*{\setHeadlines}[1]
194 {%
195     \setkeys{headlines}{#1}
196 }

```

```

197 \setHeadlines
198 {% initialisation
199     inghead,
200     prephead,
201     hinthead,
202     continuationhead,
203     continuationfoot,
204     preparationtime,
205     bakingtime,
206     bakingtemperature,
207     portion,
208     portionvalue,
209     calory,
210     source
211 }
212

```

```

213 \define@key{recipelengths}{preparationwidth}[0.60\textwidth]{\def\xcb@preparationwidth{#1}}
214 \define@key{recipelengths}{ingredientswidth}[0.35\textwidth]{\def\xcb@ingredientswidth{#1}}
215 \define@key{recipelengths}{pictureheight}[6cm]{\def\xcb@pictureheight{#1}}
216 \savekeys{recipelengths}
217 {
218     preparationwidth,
219     ingredientswidth,
220     pictureheight
221 }
222

```

**\setRecipeLengths** This command allows to modify most sizes of the recipe. The **pictureheight** is the height of the two pictures above the text.

---

```

223 \newcommand*{\setRecipeLengths}[1]
224 {%
225     \setkeys{recipelengths}{#1}
226 }

227 \setRecipeLengths
228 {% initialisation
229     preparationwidth,
230     ingredientswidth,
231     pictureheight
232 }
233

234 \define@key{graph}{small}[] {
235     \def\xcb@sgraph{
236         \ifthenelse{\equal{#1}{}}{
237             {% not set => not shown
238             }
239             {
240                 \vspace{-0.5cm}
241                 \includegraphics[width=\linewidth, height = \xcb@pictureheight, keepaspectratio]{#1}
242             }
243         }
244     }
245 \define@key{graph}{big}[] {
246     \def\xcb@bgraph{
247         \ifthenelse{\equal{#1}{}}{
248             {% not set => not shown
249             }
250             {
251                 \vspace{-0.5cm}
252                 \includegraphics[width=\linewidth, height = \xcb@pictureheight, keepaspectratio]{#1}
253             }
254         }
255     }
256
257 \define@key{recipe}{preparationtime}[] {\def\xcb@preparationtime{#1}}
258 \define@key{recipe}{bakingtime}[] {\def\xcb@bakingtime{#1}}
259 \define@key{recipe}{bakingtemperature}[] {\def\xcb@bakingtemperature{#1}}
260 \define@key{recipe}{portion}[] {\def\xcb@portion{#1}}
261 \define@key{recipe}{calory}[] {\def\xcb@calory{#1}}
262 \define@key{recipe}{source}[] {\def\xcb@source{#1}}
263

```

**\portion** This macro is for inserting the portions correctly. By renewing this command you can easiliy define your own design for the portions.

```

264 \newcommand*{\portion}[2] [\xcb@name@portionvalue]{\unit[#2]{#1}}
265

```

**\bakingtemperature** This macro is used for inserting different bakingtemperatures. Only entered temperatures are displayed (with a symbol from cookingsymbols package). You can change the order of the temperatures by renew this command.

```

266 \define@key{bakingtemperature}{fanoven}[] {\def\xcb@bakingtemperature@fanoven{#1}}
267 \define@key{bakingtemperature}{topbottomheat}[] {\def\xcb@bakingtemperature@topbottomheat{#1}}

```

```

268 \define@key{bakingtemperature}{topheat}[]{\def\xcb@bakingtemperature@topheat{#1}}
269 \define@key{bakingtemperature}{bottomheat}[]{\def\xcb@bakingtemperature@bottomheat{#1}}
270 \define@key{bakingtemperature}{gasstove}[]{\def\xcb@bakingtemperature@gasstove{#1}}
271
272 \newboolean{xcb@bakingtemperature@firstentry}
273 \newcommand*{\bakingtemperature}[1]
274 {%
275     \setboolean{xcb@bakingtemperature@firstentry}{true}%
276     \setkeys{bakingtemperature}{fanoven, topbottomheat, topheat, bottomheat, gasstove}%
277     \setkeys{bakingtemperature}{#1}%
278
279     \ifthenelse{\equal{\xcb@bakingtemperature@fanoven}{}}%
280     {%
281         \xcb@bakingtemperature@fanoven \ {\fontsize{14.5pt}{10pt}\Fanoven}%
282         \setboolean{xcb@bakingtemperature@firstentry}{false}%
283     }%
284     \ifthenelse{\equal{\xcb@bakingtemperature@topbottomheat}{}}%
285     {%
286         \ifthenelse{\boolean{xcb@bakingtemperature@firstentry}}{\setboolean{xcb@bakingtemperature@firstentry}}%
287         \xcb@bakingtemperature@topbottomheat \ {\fontsize{14.5pt}{10pt}\Topbottomheat}%
288     }%
289     \ifthenelse{\equal{\xcb@bakingtemperature@topheat}{}}%
290     {%
291         \ifthenelse{\boolean{xcb@bakingtemperature@firstentry}}{\setboolean{xcb@bakingtemperature@firstentry}}%
292         \xcb@bakingtemperature@topheat \ {\fontsize{14.5pt}{10pt}\Topheat}%
293     }%
294     \ifthenelse{\equal{\xcb@bakingtemperature@bottomheat}{}}%
295     {%
296         \ifthenelse{\boolean{xcb@bakingtemperature@firstentry}}{\setboolean{xcb@bakingtemperature@firstentry}}%
297         \xcb@bakingtemperature@bottomheat \ {\fontsize{14.5pt}{10pt}\Bottomheat}%
298     }%
299     \ifthenelse{\equal{\xcb@bakingtemperature@gasstove}{}}%
300     {%
301         \ifthenelse{\boolean{xcb@bakingtemperature@firstentry}}{\setboolean{xcb@bakingtemperature@firstentry}}%
302         \xcb@bakingtemperature@gasstove \ {\fontsize{14.5pt}{10pt}\Gasstove}%
303     }%
304 }
305 }
306 }
307 }
308 }
309 }

```

## 7.6 Recipe Environment

**recipe** This is the environment for inserting recipes. Inside you define your ingredients, preparation, pictures (graph) and maybe a hint. The commands `xcb@cmd@myrecipeoverview` and `xcb@cmd@wrapfill` are intended for internal use only.

```

310 \newenvironment{recipe}[2] []
311 {
312     %% macros
313     \newcommand*{\graph}[1]
314     {%
315         \setkeys{graph}{#1}
316     }

```



---

```

317
318 \newcommand*{\ingredients}[1]
319 {%
320     \def\xcb@ingredients
321     {%
322         \vspace{-1em} % same height of ingredients and preparation
323         \xcb@name@inghead
324         %\[4pt]
325         \[1em]
326         \xcb@fontsize@ing\color{\xcb@color@ing}
327         \begin{tabular}{rll}
328             ##1
329         \end{tabular}
330     }
331 }
332
333 \newcommand*{\preparation}[1]
334 {%
335     \def\xcb@preparation
336     {%
337         \xcb@name@prephead
338         %\[4pt]
339         \xcb@fontsize@prep\color{\xcb@color@prep}##1
340     }
341     \setcounter{step}{0}
342 }
343
344 \newcommand*{\hint}[1]
345 {%
346     \def\xcb@hint
347     {%
348         \pagebreak[1] % begin here a new page, if the space is small
349         \begin{tikzpicture}[line width = 1.5pt, \xcb@color@hintline]
350             \useasboundingbox (0,0) -- ++(right:3.5cm) -- ++(up:3mm) -- ++(left:3.5cm) -- cycle;
351             \draw (-3mm, 0mm) -- ++(right:3.5cm);
352             \draw (0, 3mm) -- ++(down:2.4cm);
353         \end{tikzpicture}
354
355         \nopagebreak
356
357         \begin{group} % a group for the hint
358             \leftskip1em
359             \xcb@name@hinthead
360             \nopagebreak
361
362             \itshape\textcolor{\xcb@color@hint}{\xcb@fontsize@hint{##1}}
363             \par
364         \end{group}
365     }
366 }
367
368 \newcommand*{\xcb@cmd@recipeoverview}
369 {
370     \begin{tabular}{rll}
371         \ifthenelse{\equal{\xcb@preparationtime}{}}{
372             {% not set => not shown
373             }
374         {

```

```

375         \xcb@name@preparationtime & \xcb@preparationtime\\
376     }
377     \ifthenelse{\equal{\xcb@bakingtime}{}}{
378     {% not set => not shown
379     }
380     {
381         \xcb@name@bakingtime & \xcb@bakingtime\ifthenelse{\equal{\xcb@bakingtemperature}{}}{
382         {
383             \\
384         }
385         {,\hspace{1em} \xcb@name@bakingtemperature \hspace{1ex} \xcb@bakingtemperature\\
386         }
387     }
388     \ifthenelse{\equal{\xcb@portion}{}}{
389     {% not set => not shown
390     }
391     {
392         \xcb@name@portion & \xcb@portion\\
393     }
394     \ifthenelse{\equal{\xcb@calory}{}}{
395     {% not set => not shown
396     }
397     {
398         \xcb@name@calory & \xcb@calory\\
399     }
400     \ifthenelse{\equal{\xcb@source}{}}{
401     {% not set => not shown
402     }
403     {
404         \xcb@name@source & \xcb@source
405     }
406     \end{tabular}
407 }
408

```

The following command is needed, if more ingredients than preparation (steps) are inserted. In this case the `wrapfigure` package behaves in a strange way. The result is that the hint is also floating around the ingredients, although the "box" is already closed. This command repairs this effect. It is taken from <http://mizine.de/latex/wrapfigure-austricksen/>

```

409 \newcommand\xcb@cmd@wrapfill
410 {%
411     \par
412     \ifx\parshape\WF@fudgeparshape
413     \nobreak
414     \vskip-\baselineskip
415     \vskip\c@WF@wrappedlines\baselineskip
416     \allowbreak
417     \WFclear
418     \fi
419 }
420 %% end of macros
421
422
423 % initialisation
424 \setkeys{recipe}{preparationtime, bakingtime, bakingtemperature, portion, calory, source}
425 \setkeys{graph}{small, big}
426 \ingredients{}

```

---

```

427 \preparation{}
428 \def\xcb@hint{}
429
430 \def\xcb@recipename{#2}
431 \setkeys{recipe}{#1} % reading the optional parameters
432
433 \setcounter{xcb@newpagefoot}{1}
434 \setcounter{xcb@newpagehead}{\value{page}}
435 }
436 {% this part is executed at \end{recipe}
437 %% FIRST BLOCK
438 \if@twoside
439     \ifodd\arabic{page}
440         \begin{minipage}[T]{\xcb@preparationwidth}
441             \xcb@bgraph
442         \end{minipage}
443         \hfill
444         \begin{minipage}[T]{\xcb@ingredientswidth}
445             \xcb@sgraph
446         \end{minipage}
447     \else
448         \begin{minipage}[T]{\xcb@ingredientswidth}
449             \xcb@sgraph
450         \end{minipage}
451         \hfill
452         \begin{minipage}[T]{\xcb@preparationwidth}
453             \xcb@bgraph
454         \end{minipage}
455     \fi
456 \else
457     \begin{minipage}[T]{\xcb@preparationwidth}
458         \xcb@bgraph
459     \end{minipage}
460     \hfill
461     \begin{minipage}[T]{\xcb@ingredientswidth}
462         \xcb@sgraph
463     \end{minipage}
464 \fi
465
466 %% SECOND BLOCK
467 \recipesection[\normalsize\xcb@recipename]%
468 {\hspace{-1em}\textcolor{\xcb@color@recipename}{\xcb@font@recipename\xcb@recipename}}
469 \xcb@cmd@recipeoverview
470
471 %% THIRD BLOCK
472 \begin{wraptable}{r}{\xcb@ingredientswidth}
473 {
474     \xcb@ingredients
475 }
476 \end{wraptable}
477 \xcb@preparation
478
479 \vfill
480
481 \xcb@cmd@wrapfill
482 \xcb@hint
483 \setcounter{xcb@newpagefoot}{0}
484 }

```

485

## 7.7 Header and Footer

```

486 \pagestyle{fancy}
487 \renewcommand{\sectionmark}[1]
488 {%
489     \markright{\MakeUppercase{\thesection.\ #1}}
490 }
491 \renewcommand{\headrulewidth}
492 {%
493     0.5pt
494 }
495 \fancyhf{}
496 \fancyfoot[LE,RO]{\textbf{\thepage}}
497 \fancyhead[LE,RO]{\rightmark}
498 \fancyhead[C]{\@newpagehint{head}}
499 \fancyfoot[C]{\@newpagehint{foot}}
500

```

Below the counter for the header and the footer are defined and initialised.

```

501 \newcounter{xcb@newpagehead}
502 \setcounter{xcb@newpagehead}{0}
503 \newcounter{xcb@newpagefoot}
504 \setcounter{xcb@newpagefoot}{0}

```

`\@newpagehint` This macro is used to create a hint in the head or foot of the page, that the recipe is longer than one page.

```

505 \newcommand*{\@newpagehint}[1]
506 {
507     \ifthenelse{\equal{#1}{head}}
508     {
509         \ifnum \value{xcb@newpagehead} < \value{page}
510             \ifnum \value{xcb@newpagehead} > 0
511                 \xcb@name@continuationhead
512             \fi
513         \fi
514     }
515     {
516         \ifthenelse{\value{xcb@newpagefoot} > 0}
517         {
518             \xcb@name@continuationfoot
519         }
520         {% if no message at the bottom is set, there is no need for a message on the next page
521             \setcounter{xcb@newpagehead}{0}
522         }
523     }
524 }
525

```

## 7.8 Background Picture

```

526 \define@key{background}{width}[\linewidth]{\def\xcb@background@width{#1}}
527 \define@key{background}{height}[\paperheight]{\def\xcb@background@height{#1}}

```

```

528 \define@key{background}{x}[0cm]{\def\xcb@background@x{#1}}
529 \define@key{background}{y}[0cm]{\def\xcb@background@y{#1}}
530 \define@key{background}{orientation}[default]{\def\xcb@background@orientation{#1}}
531 \savekeys{background}
532 {%
533     width,
534     height,
535     x,
536     y,
537     orientation
538 }
539

```

**\setBackgroundPicture** This macro is intended to set easily a (transparent) background. The command uses the **eso-pic** package. If the implemented options are not satisfying you, you may take a look at the documentation of **eso-pic** when redefining this command.

```

540 \newcommand*{\setBackgroundPicture}[2] []
541 {%
542     \ClearShipoutPictureBG
543     \setkeys{background}{width, height, x, y, orientation} % initialisation
544     \setkeys{background}{#1}
545     \AddToShipoutPicture
546     {%
547         \ifthenelse{\equal{\xcb@background@orientation}{default}}
548         {% default
549             \put(\xcb@background@x, \xcb@background@y)
550             {%
551                 \parbox[b][\xcb@background@height]{\xcb@background@width}
552                 {%
553                     \vfill
554                     \includegraphics[width=\xcb@background@width, height=\xcb@background@height, keepaspectratio]{#2}
555                     \vfill
556                 }
557             }
558         }
559         {%
560             \ifthenelse{\equal{\xcb@background@orientation}{pagecenter}}
561             {% pagecenter
562                 \AtPageCenter{%
563                     \makebox(\xcb@background@x, \xcb@background@y)[c]
564                     {%
565                         \includegraphics[width=\xcb@background@width, height=\xcb@background@height, keepaspectratio]{#2}
566                     }
567                 }
568             }
569             {%
570                 \ifthenelse{\equal{\xcb@background@orientation}{textcenter}}
571                 {% textcenter
572                     \AtTextCenter{%
573                         \makebox(\xcb@background@x, \xcb@background@y)[c]
574                         {%
575                             \includegraphics[width=\xcb@background@width, height=\xcb@background@height, keepaspectratio]{#2}
576                         }
577                     }
578                 }
579                 {%
580                     \ifthenelse{\equal{\xcb@background@orientation}{stockcenter}}

```

```

581             {% stockcenter
582                 \AtStockCenter{%
583                     \makebox(\xcb@background@x, \xcb@background@y)[c]
584                     {%
585                         \includegraphics[width=\xcb@background@width, height=\xcb@background@height]{\xcb@background@image}
586                     }
587                 }
588             }
589             {% error message
590                 \PackageError{xcookybooky}
591                 {There is no '\xcb@background@orientation' option for background picture orientation}{}
592                 {The possible options are: default, pagecenter, textcenter or stockcenter}
593             }
594         }
595     }
596 }
597
598 }
599 }
600 </package>

```

## 7.9 Configuration file

This file is intended to change the design central. The most important commands are already written down. You have to submit the option `myconfig`, if you want to load the configuration file.

```

601 <*config>
602 %% Change Layout
603 \setRecipeColors
604 {%
605     recipename,
606     ing,
607     inghead,
608     prep,
609     prephead,
610     hint,
611     hinthead,
612     hintline,
613     numeration
614 }
615
616 \setRecipeSizes
617 {%
618     recipename,
619     ing,
620     inghead,
621     prep,
622     prephead,
623     hint,
624     hinthead
625 }
626
627 \setRecipeLengths
628 {%
629     preparationwidth,
630     ingredientswidth,

```

```

631     pictureheight
632 }
633
634 \setRecipeNameFont{fjd}{T1}{m}{n}
635
636
637 %% Translation
638 \setHeadlines
639 {%
640     inghead,
641     prephead,
642     hinthead,
643     continuationhead,
644     continuationfoot,
645     preparationtime,
646     bakingtime,
647     bakingtemperature,
648     portion,
649     portionvalue,
650     calory,
651     source
652 }
653 </config>

```

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