LaTeX support for Creative Commons Icons

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Abstract

This package offers authors who want to publish their documents under a Creative Commons license an easy way to include the relevant icons in their documents.

1 Introduction

Creative Commons (`http://creativecommons.org`) licenses have become increasingly popular for authors who want to retain their copyright but give other people the possibility to share and build upon their work. For each of the licenses that Creative Commons offers, there exists a set of icons that can be used to identify the respective license. This package defines several commands that allow to typeset these icons. Since the icons are stored in a PostScript Type 1 font, they can be scaled freely without diminishing their visual appearance.

Please note that all icons that can be typeset using this package are trademarks of Creative Commons and are subject to the Creative Commons trademark policy (see `http://creativecommons.org/policies`).

2 Usage

To use this package in your LaTeX document, add

    \usepackage[⟨*options*⟩]{ccicons}

to the preamble of your document. For the available options see Section 3.

After the package has been loaded, the following commands can be used to typeset the icons provided by CreativecCommons.

`\ccLogo`	
`\ccAttribution`	

\ccShareAlike	⊚ⓢ ⓢ Ⓢ Ⓢ Ⓢ
\ccNoDerivatives	⊜ ⊜ ⊜ ⊜ ⊜ ⊜
\ccNonCommercial	Ⓢ Ⓢ Ⓢ Ⓢ Ⓢ Ⓢ
\ccNonCommercialEU	Ⓔ Ⓔ Ⓔ Ⓔ Ⓔ Ⓔ
\ccNonCommercialJP	¥ ¥ ¥ ¥ ¥ ¥
\ccZero	⓪ ⓪ ⓪ ⓪ ⓪ ⓪
\ccPublicDomain	Ⓒ Ⓒ Ⓒ Ⓒ Ⓒ Ⓒ
\ccPublicDomainAlt	PD PD PD PD PD PD
\ccSampling	⊕ ⊕ ⊕ ⊕ ⊕ ⊕
\ccShare	ⓓ ⓓ ⓓ ⓓ ⓓ ⓓ
\ccRemix	⊛ ⊛ ⊛ ⊛ ⊛ ⊛
\ccCopy	© © Ⓒ Ⓒ Ⓒ Ⓒ

Additionally, for each of the common Creative Commons licenses there is a command to typeset the CC logo together with the icons applicable for that license (see http://creativecommons.org/licenses):

\ccby	©①
\ccbysa	©①⊚
\ccbynd	©①⊜
\ccbync	©①Ⓢ
\ccbynceu	©①Ⓔ
\ccbyncjp	©①¥
\ccbyncsa	©①Ⓢ⊚
\ccbyncsaeu	©①Ⓔ⊚
\ccbyncsajp	©①¥⊚
\ccbyncnd	©①Ⓢ⊜
\ccbyncndeu	©①Ⓔ⊜
\ccbyncndjp	©①¥⊜
\cczero	©⓪
\ccpd	©Ⓢ

3 Options

Currently, the ccicons package supports two options. First, the scale=⟨*factor*⟩ option allows to scale all icons by an arbitrary factor. For example, to typeset the icons at 90% of their original size, load the package with the option scale=0.9. Second, if the copyright option is enabled, the command \textcopyright is redefined so that it behaves like \ccCopy.

4 Implementation

We use xkeyval's key mechanism to declare all options. The first option controls whether \textcopyright is redefined.

```
1 \RequirePackage{xkeyval}
2 \define@boolkey{ccicons.sty}[ccicons@]{copyright}[true]{}
```

The next option allows to scale the font by an arbitrary factor.

```
3 \newcommand{\ccicons@scale}{1.0}
4 \define@key{ccicons.sty}{scale}{\renewcommand\ccicons@scale{#1}}
```

Process all options.

```
5 \ProcessOptionsX
```

We just declare one font family with one shape.

```
6 \DeclareFontFamily{U}{ccicons}{}
7 \DeclareFontShape{U}{ccicons}{m}{n}{
8   <-> s * [\ccicons@scale] ccicons
9 }{}
```

We provide internal commands to access the characters of the font directly.

```
10 \newcommand{\ccicons@font}{\usefont{U}{ccicons}{m}{n}}
11 \newcommand{\ccicons@logo}{\char0}
12 \newcommand{\ccicons@by}{\char1}
13 \newcommand{\ccicons@sa}{\char2}
14 \newcommand{\ccicons@nd}{\char3}
15 \newcommand{\ccicons@nc}{\char4}
16 \newcommand{\ccicons@nceu}{\char5}
17 \newcommand{\ccicons@ncjp}{\char6}
18 \newcommand{\ccicons@pd}{\char7}
19 \newcommand{\ccicons@zero}{\char8}
20 \newcommand{\ccicons@sampling}{\char9}
21 \newcommand{\ccicons@share}{\char10}
22 \newcommand{\ccicons@remix}{\char11}
23 \newcommand{\ccicons@copy}{\char12}
24 \newcommand{\ccicons@pdalt}{\char13}
```

The following commands provide high-level access to to the font. We define a command for each character in the font.

```
25 \newcommand{\ccLogo}{{\ccicons@font\ccicons@logo}}
26 \newcommand{\ccAttribution}{{\ccicons@font\ccicons@by}}
```

```
27 \newcommand{\ccShareAlike}{{\ccicons@font\ccicons@sa}}
28 \newcommand{\ccNoDerivatives}{{\ccicons@font\ccicons@nd}}
29 \newcommand{\ccNonCommercial}{{\ccicons@font\ccicons@nc}}
30 \newcommand{\ccNonCommercialEU}{{\ccicons@font\ccicons@nceu}}
31 \newcommand{\ccNonCommercialJP}{{\ccicons@font\ccicons@ncjp}}
32 \newcommand{\ccPublicDomain}{{\ccicons@font\ccicons@pd}}
33 \newcommand{\ccPublicDomainAlt}{{\ccicons@font\ccicons@pdalt}}
34 \newcommand{\ccZero}{{\ccicons@font\ccicons@zero}}
35 \newcommand{\ccSampling}{{\ccicons@font\ccicons@sampling}}
36 \newcommand{\ccShare}{{\ccicons@font\ccicons@share}}
37 \newcommand{\ccRemix}{{\ccicons@font\ccicons@remix}}
38 \newcommand{\ccCopy}{{\ccicons@font\ccicons@copy}}
```

If the copyright option has been set, we redefine `\textcopyright`.

```
39 \ifccicons@copyright\renewcommand{\textcopyright}{\ccCopy}\fi
```

Finally, for each CC license we define a command that prints the CC logo together with the icons applicable for that license.

```
40 \newcommand{\ccby}%
41   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by}}
42 \newcommand{\ccbysa}%
43   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
44   \kern0.1em\ccicons@sa}}
45 \newcommand{\ccbynd}%
46   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
47   \kern0.1em\ccicons@nd}}
48 \newcommand{\ccbync}%
49   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
50   \kern0.1em\ccicons@nc}}
51 \newcommand{\ccbynceu}%
52   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
53   \kern0.1em\ccicons@nceu}}
54 \newcommand{\ccbyncjp}%
55   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
56   \kern0.1em\ccicons@ncjp}}
57 \newcommand{\ccbyncsa}%
58   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
59   \kern0.1em\ccicons@nc\kern0.1em\ccicons@sa}}
60 \newcommand{\ccbyncsaeu}%
61   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
62   \kern0.1em\ccicons@nceu\kern0.1em\ccicons@sa}}
63 \newcommand{\ccbyncsajp}%
64   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
65   \kern0.1em\ccicons@ncjp\kern0.1em\ccicons@sa}}
66 \newcommand{\ccbyncnd}%
67   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
68   \kern0.1em\ccicons@nc\kern0.1em\ccicons@nd}}
69 \newcommand{\ccbyncndeu}%
70   {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
71   \kern0.1em\ccicons@nceu\kern0.1em\ccicons@nd}}
72 \newcommand{\ccbyncndjp}%
```

```
73    {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@by%
74    \kern0.1em\ccicons@ncjp\kern0.1em\ccicons@nd}}
75 \newcommand{\cczero}%
76    {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@zero}}
77 \newcommand{\ccpd}%
78    {\mbox{\ccicons@font\ccicons@logo\kern0.1em\ccicons@pd}}
```

5   Version history

Version 1.0 (2009/11/29): Initial version
Version 1.1 (2009/12/14): New font with additional glyphs
Version 1.2 (2011/05/22): Optimised some glyphs
Version 1.3 (2011/09/18): Merged font definitions into style file
Version 1.4 (2012/05/22): Added copyright logo, adjusted vertical alignment, and
added scale option
Version 1.5 (2013/04/16): Relicensed font components and included OpenType
font.
Version 1.6 (2017/10/30): Incorporated new Public Domain icon