

# L<sup>A</sup>T<sub>E</sub>X support for Creative Commons Icons

Michael Ummels  
michael@ummels.de

v1.7.0 – 2026-03-26

## 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 (<https://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 <https://creativecommons.org/policies>).

## 2 Usage

To use this package in your L<sup>A</sup>T<sub>E</sub>X 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.

<code>\ccLogo</code>	
<code>\ccAttribution</code>	
<code>\ccShareAlike</code>	
<code>\ccNoDerivatives</code>	

<code>\ccNonCommercial</code>	
<code>\ccNonCommercialEU</code>	
<code>\ccNonCommercialJP</code>	
<code>\ccZero</code>	
<code>\ccPublicDomain</code>	
<code>\ccPublicDomainAlt</code>	
<code>\ccSampling</code>	
<code>\ccShare</code>	
<code>\ccRemix</code>	
<code>\ccCopy</code>	

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 <https://creativecommons.org/licenses>):

<code>\ccb</code>	
<code>\ccbysa</code>	
<code>\ccbbynd</code>	
<code>\ccbync</code>	
<code>\ccbynceu</code>	
<code>\ccbyncjp</code>	
<code>\ccbyncsa</code>	
<code>\ccbyncsaau</code>	
<code>\ccbyncsajp</code>	
<code>\ccbyncnd</code>	
<code>\ccbyncnde</code>	
<code>\ccbyncndjp</code>	
<code>\cczero</code>	
<code>\ccpd</code>	

### 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 `\DeclareKeys` to declare all options. The first option controls whether `\textcopyright` is redefined.

```
1 \DeclareKeys [ccicons]
2 {
3   copyright.code = {\renewcommand{\textcopyright}{\ccCopy}},
```

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

```
4   scale.store = \l_@@_scale_tl,
5   scale.usage = preamble,
6   scaled.store = \l_@@_scale_tl,
7   scaled.usage = preamble
8 }
```

Set default values and process options.

```
9 \SetKeys [ccicons]
10 {
11   scale = 1.0
12 }
13 \DeclareUnknownKeyHandler [ccicons]
14 {
15   \PackageWarning {ccicons} { Unknown~option~#1 }
16 }
17 \ProcessKeyOptions
```

We just declare one font family with one shape.

```
18 \DeclareFontFamily {U} {ccicons} {}
19 \DeclareFontShape {U} {ccicons} {m} {n}
20 {
21   <-> s * [\l_@@_scale_tl] ccicons
22 }
23 {}
```

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

```
24 \cs_new:Nn \@@_font: { \usefont{U}{ccicons}{m}{n} }
25 \cs_new:Nn \@@_logo: { \char0 }
26 \cs_new:Nn \@@_by: { \char1 }
27 \cs_new:Nn \@@_sa: { \char2 }
28 \cs_new:Nn \@@_nd: { \char3 }
29 \cs_new:Nn \@@_nc: { \char4 }
30 \cs_new:Nn \@@_nc_eu: { \char5 }
31 \cs_new:Nn \@@_nc_jp: { \char6 }
32 \cs_new:Nn \@@_pd: { \char7 }
33 \cs_new:Nn \@@_zero: { \char8 }
34 \cs_new:Nn \@@_sampling: { \char9 }
35 \cs_new:Nn \@@_share: { \char10 }
36 \cs_new:Nn \@@_remix: { \char11 }
37 \cs_new:Nn \@@_copy: { \char12 }
38 \cs_new:Nn \@@_pd_alt: { \char13 }
```

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

```
39 \cs_new:Npn \ccLogo
40 {
```

```

41 \group_begin:
42 \@@_font:
43 \@@_logo:
44 \group_end:
45 }
46 \cs_new:Npn \ccAttribution
47 {
48 \group_begin:
49 \@@_font:
50 \@@_by:
51 \group_end:
52 }
53 \cs_new:Npn \ccShareAlike
54 {
55 \group_begin:
56 \@@_font:
57 \@@_sa:
58 \group_end:
59 }
60 \cs_new:Npn \ccNoDerivatives
61 {
62 \group_begin:
63 \@@_font:
64 \@@_nd:
65 \group_end:
66 }
67 \cs_new:Npn \ccNonCommercial
68 {
69 \group_begin:
70 \@@_font:
71 \@@_nc:
72 \group_end:
73 }
74 \cs_new:Npn \ccNonCommercialEU
75 {
76 \group_begin:
77 \@@_font:
78 \@@_nc_eu:
79 \group_end:
80 }
81 \cs_new:Npn \ccNonCommercialJP
82 {
83 \group_begin:
84 \@@_font:
85 \@@_nc_jp:
86 \group_end:
87 }
88 \cs_new:Npn \ccPublicDomain
89 {
90 \group_begin:
91 \@@_font:
92 \@@_pd:
93 \group_end:
94 }

```

```

95 \cs_new:Npn \ccPublicDomainAlt
96 {
97   \group_begin:
98   \@@_font:
99   \@@_pd_alt:
100  \group_end:
101 }
102 \cs_new:Npn \ccZero
103 {
104   \group_begin:
105   \@@_font:
106   \@@_zero:
107   \group_end:
108 }
109 \cs_new:Npn \ccSampling
110 {
111   \group_begin:
112   \@@_font:
113   \@@_sampling:
114   \group_end:
115 }
116 \cs_new:Npn \ccShare
117 {
118   \group_begin:
119   \@@_font:
120   \@@_share:
121   \group_end:
122 }
123 \cs_new:Npn \ccRemix
124 {
125   \group_begin:
126   \@@_font:
127   \@@_remix:
128   \group_end:
129 }
130 \cs_new:Npn \ccCopy
131 {
132   \group_begin:
133   \@@_font:
134   \@@_copy:
135   \group_end:
136 }

```

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

```

137 \cs_new:Npn \ccby
138 {
139   \mbox { \ccLogo \ccAttribution }
140 }
141 \cs_new:Npn \ccbysa
142 {
143   \mbox { \ccLogo \ccAttribution \ccShareAlike }
144 }
145 \cs_new:Npn \ccbynd

```

```

146 {
147   \mbox { \ccLogo \ccAttribution \ccNoDerivatives }
148 }
149 \cs_new:Npn \ccbync
150 {
151   \mbox { \ccLogo \ccAttribution \ccNonCommercial }
152 }
153 \cs_new:Npn \ccbynceu
154 {
155   \mbox { \ccLogo \ccAttribution \ccNonCommercialEU }
156 }
157 \cs_new:Npn \ccbyncjp
158 {
159   \mbox { \ccLogo \ccAttribution \ccNonCommercialJP }
160 }
161 \cs_new:Npn \ccbyncsa
162 {
163   \mbox { \ccLogo \ccAttribution \ccNonCommercial \ccShareAlike }
164 }
165 \cs_new:Npn \ccbyncsaeu
166 {
167   \mbox { \ccLogo \ccAttribution \ccNonCommercialEU \ccShareAlike }
168 }
169 \cs_new:Npn \ccbyncsajp
170 {
171   \mbox { \ccLogo \ccAttribution \ccNonCommercialJP \ccShareAlike }
172 }
173 \cs_new:Npn \ccbyncnd
174 {
175   \mbox { \ccLogo \ccAttribution \ccNonCommercial \ccNoDerivatives }
176 }
177 \cs_new:Npn \ccbyncnde
178 {
179   \mbox { \ccLogo \ccAttribution \ccNonCommercialEU \ccNoDerivatives }
180 }
181 \cs_new:Npn \ccbyncndjp
182 {
183   \mbox { \ccLogo \ccAttribution \ccNonCommercialJP \ccNoDerivatives }
184 }
185 \cs_new:Npn \cczero
186 {
187   \mbox { \ccLogo \ccZero }
188 }
189 \cs_new:Npn \ccpd
190 {
191   \mbox { \ccLogo \ccPublicDomain }
192 }

```

## 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  
Version 1.7.0 (2026/03/30): Reimplementation in  $\text{\LaTeX}$