

Smalltalk Listing with Tango Colors

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The following shows an example of a source code listing highlighted with colors from the [Tango theme](#). This document is set with X_YL^AT_EX, uses some non–default fonts and uses the *listings* package for setting the source code listings.

```
exampleWithNumber: x
  "A method that illustrates every part of Smalltalk method syntax
  except primitives. It has unary, binary, and key word messages,
  declares arguments and temporaries (but not block temporaries),
  accesses a global variable (but not and instance variable),
  uses literals (array, character, symbol, string, integer, float),
  uses the pseudo variable true false, nil, self, and super,
  and has sequence, assignment, return and cascade. It has both zero
  argument and one argument blocks. It doesn't do anything useful,
  though"
  | y |
  true & false not & (nil isNil) ifFalse: [self halt].
  y := self size + super size.
  #($a #a 'a' 1 1.0)
    do: [:each | Transcript
      show: (each class name);
      show: (each printString);
      show: '␣'].
  ^ x < y
```

Source of this file

For reference, here is the sourcecode of this file:

```
1  %!TEX TS-program = xelatex
2  %!TEX encoding = UTF-8 Unicode
3
4  \documentclass[a4paper, 11pt]{scrartcl}
5
6  \usepackage[english]{babel}
7  \usepackage{xcolor}
8  \usepackage{xltextra}
9  \usepackage{fontspec}
10 \usepackage{listings}
11
12 % COLORS (Tango)
13 \definecolor{LightButter}{rgb}{0.98, 0.91, 0.31}
14 \definecolor{LightOrange}{rgb}{0.98, 0.68, 0.24}
15 \definecolor{LightChocolate}{rgb}{0.91, 0.72, 0.43}
16 \definecolor{LightChameleon}{rgb}{0.54, 0.88, 0.20}
17 \definecolor{LightSkyBlue}{rgb}{0.45, 0.62, 0.81}
18 \definecolor{LightPlum}{rgb}{0.68, 0.50, 0.66}
19 \definecolor{LightScarletRed}{rgb}{0.93, 0.16, 0.16}
20 \definecolor{Butter}{rgb}{0.93, 0.86, 0.25}
21 \definecolor{Orange}{rgb}{0.96, 0.47, 0.00}
22 \definecolor{Chocolate}{rgb}{0.75, 0.49, 0.07}
23 \definecolor{Chameleon}{rgb}{0.45, 0.82, 0.09}
24 \definecolor{SkyBlue}{rgb}{0.20, 0.39, 0.64}
25 \definecolor{Plum}{rgb}{0.46, 0.31, 0.48}
26 \definecolor{ScarletRed}{rgb}{0.80, 0.00, 0.00}
27 \definecolor{DarkButter}{rgb}{0.77, 0.62, 0.00}
28 \definecolor{DarkOrange}{rgb}{0.80, 0.36, 0.00}
29 \definecolor{DarkChocolate}{rgb}{0.56, 0.35, 0.01}
30 \definecolor{DarkChameleon}{rgb}{0.30, 0.60, 0.02}
31 \definecolor{DarkSkyBlue}{rgb}{0.12, 0.29, 0.53}
32 \definecolor{DarkPlum}{rgb}{0.36, 0.21, 0.40}
33 \definecolor{DarkScarletRed}{rgb}{0.64, 0.00, 0.00}
34 \definecolor{Aluminium1}{rgb}{0.93, 0.93, 0.92}
35 \definecolor{Aluminium2}{rgb}{0.82, 0.84, 0.81}
36 \definecolor{Aluminium3}{rgb}{0.73, 0.74, 0.71}
37 \definecolor{Aluminium4}{rgb}{0.53, 0.54, 0.52}
38 \definecolor{Aluminium5}{rgb}{0.33, 0.34, 0.32}
39 \definecolor{Aluminium6}{rgb}{0.18, 0.20, 0.21}
40
41 % HYPERREF
```

```

42 \usepackage[dvipdfm, bookmarks, colorlinks, breaklinks, pdftitle={Glare
    },
43     pdfauthor={Philipp Bunge}]{hyperref}
44 \hypersetup{
45     linkcolor=DarkSkyBlue,
46     citecolor= DarkSkyBlue,
47     filecolor= DarkSkyBlue,
48     urlcolor= DarkSkyBlue
49 }
50
51
52 % FONTS
53 \setromanfont[Ligatures={Common},Numbers={Lining}]{Adobe Caslon Pro}
54 \setmonofont[Scale=0.8]{Liberation Mono}
55 \setsansfont[Scale=0.9]{Optima Regular}
56
57 % TYPEAREA
58 \typearea[12mm]{11}
59
60 % LISTINGS
61 \lstdefinlanguage{Smalltalk}{
62     % classes:
63     morekeywords=[1]{Transcript},
64     % variables:
65     morekeywords=[2]{},
66     % method definitions:
67     morekeywords=[3]{},
68     % keywords:
69     morekeywords=[4]{true, false, nil},
70     morekeywords=[5]{self, super},
71     sensitive=true,
72     morecomment=[s]{"}{"},
73     morestring=[d]',
74     alsoletter={: }
75 }
76
77 \lstset{
78     keywordstyle=[1]{\color{DarkSkyBlue}},
79     keywordstyle=[2]{\color{DarkScarletRed}},
80     keywordstyle=[3]{\bfseries},
81     keywordstyle=[4]{\color{DarkPlum}},
82     keywordstyle=[5]{\color{SkyBlue}},
83     commentstyle={\color{Aluminium4}},
84     stringstyle={\color{Chocolate}},
85     tabsize=4,
86     breaklines=true,

```

```

87     basicstyle={\ttfamily},
88     xleftmargin=21pt,
89     xrightmargin=11pt,
90     frame=single,
91     rulecolor=\color{black!30},
92     captionpos=b,
93     framesep=10pt,
94     framexleftmargin=18pt,
95     numbers=none,
96     numberstyle={\tiny},
97     stepnumber=1,
98     numbersep=15pt
99 }
100
101 \begin{document}
102
103 \title{Smalltalk Listing with Tango Colors}
104 \author{Philipp Bunge}
105 \date{}
106
107 \maketitle
108
109 \setlength{\parskip}{1em}
110 \setlength{\parindent}{0pt}
111
112
113
114 The following shows an example of a source code listing highlighted
    with colors from the \href{http://tango.freedesktop.org/}{Tango
    theme}. This document is set with \XeLaTeX, uses some -nondefault
    fonts and uses the \emph{listings} package for setting the source
    code listings.
115
116
117 \vspace{4em}
118
119 \begin{lstlisting}[%
120     language=Smalltalk,%
121     morekeywords={Transcript},%
122     classoffset=1,%
123     morekeywords={x, y, : each, each},%
124     classoffset=2,%
125     morekeywords={exampleWithNumber: }%
126 ]
127 exampleWithNumber: x
128     "A method that illustrates every part of Smalltalk method syntax

```

```

129     except primitives. It has unary, binary, and key word messages,
130     declares arguments and temporaries (but not block temporaries),
131     accesses a global variable (but not and instance variable),
132     uses literals (array, character, symbol, string, integer, float),
133     uses the pseudo variable true false, nil, self, and super,
134     and has sequence, assignment, return and cascade. It has both zero
135     argument and one argument blocks. It doesn't do anything useful,
136     though"
137     |y|
138     true & false not & (nil isNil) ifFalse: [self halt].
139     y := self size + super size.
140     #($a #a 'a' 1 1.0)
141         do: [:each | Transcript
142             show: (each class name);
143             show: (each printString);
144             show: ' '].
145     ^ x < y
146 \end{lstlisting}
147
148 \newpage
149 \section*{Source of this file}
150
151 For reference, here is the sourcecode of this file:
152
153 \lstinputlisting[language=tex,numbers=left]{tango.tex}
154
155 \end{document}

```