

# Inserting images in Latex

Bhishan Poudel

Wed Apr 20, 2016

## Contents

<b>List of Figures</b>	<b>1</b>
<b>1 List using package easylist</b>	<b>2</b>
<b>2 Inserting images in Latex</b>	<b>2</b>
<b>3 colors in Latex</b>	<b>6</b>

## List of Figures

1	color modes . . . . .	2
2	default colors . . . . .	3
3	dvips colors . . . . .	4
4	svgnames with duplicates . . . . .	5

## 1 List using package easylist

1. Level 1.
  - (a) Level 2.
    - i. Level 3.
      - A. Level 4.
        - 1.a)i.A.1. Level 5.

## 2 Inserting images in Latex

Color Models			
Model	Description	Color Specification	Example
gray	Shades of gray (0-1)	Just one number between 0 (black) and 1 (white), so 0.95 will be very light gray, 0.30 will be dark gray.	<code>\definecolor{light-gray}{gray}{0.95}</code>
rgb	Red, Green, Blue (0-1)	Three numbers given in the form <i>red,green,blue</i> ; the quantity of each color is represented with a number between 0 and 1.	<code>\definecolor{orange}{rgb}{1,0.5,0}</code>
RGB	Red, Green, Blue (0-255)	Three numbers given in the form <i>red,green,blue</i> ; the quantity of each color is represented with a number between 0 and 255.	<code>\definecolor{orange}{RGB}{255,127,0}</code>
HTML	Red, Green, Blue (00-FF)	Six hexadecimal numbers given in the form <i>RRGGBB</i> ; similar to what is used in HTML.	<code>\definecolor{orange}{HTML}{FF7F00}</code>
cmyk	Cyan, Magenta, Yellow, Black (0-1)	Four numbers given in the form <i>cyan,magenta,yellow,black</i> ; the quantity of each color is represented with a number between 0 and 1.	<code>\definecolor{orange}{cmyk}{0,0.5,1,0}</code>

Figure 1: color modes

Apricot	Aquamarine	Bittersweet	Black
Blue	BlueGreen	BlueViolet	BrickRed
Brown	BurntOrange	CadetBlue	CarnationPink
Cerulean	CornflowerBlue	Cyan	Dandelion
DarkOrchid	Emerald	ForestGreen	Fuchsia
Goldenrod	Gray	Green	GreenYellow
JungleGreen	Lavender	LimeGreen	Magenta
Mahogany	Maroon	Melon	MidnightBlue
Mulberry	NavyBlue	OliveGreen	Orange
OrangeRed	Orchid	Peach	Periwinkle
PineGreen	Plum	ProcessBlue	Purple
RawSienna	Red	RedOrange	RedViolet
Rhodamine	RoyalBlue	RoyalPurple	RubineRed
Salmon	SeaGreen	Sepia	SkyBlue
SpringGreen	Tan	TealBlue	Thistle
Turquoise	Violet	VioletRed	
WildStrawberry	Yellow	YellowGreen	YellowOrange

Figure 2: default colors

Name	Color	Name	Color
Apricot		Aquamarine	
Bittersweet		Black	
Blue		BlueGreen	
BlueViolet		BrickRed	
Brown		BurntOrange	
CadetBlue		CarnationPink	
Cerulean		CornflowerBlue	
Cyan		Dandelion	
DarkOrchid		Emerald	
ForestGreen		Fuchsia	
Goldenrod		Gray	
Green		GreenYellow	
JungleGreen		Lavender	
LimeGreen		Magenta	
Mahogany		Maroon	
Melon		MidnightBlue	
Mulberry		NavyBlue	
OliveGreen		Orange	
OrangeRed		Orchid	
Peach		Periwinkle	
PineGreen		Plum	
ProcessBlue		Purple	
RawSienna		Red	
RedOrange		RedViolet	
Rhodamine		RoyalBlue	
RoyalPurple		RubineRed	
Salmon		SeaGreen	
Sepia		SkyBlue	
SpringGreen		Tan	
TealBlue		Thistle	
Turquoise		Violet	
VioletRed		White	
WildStrawberry		Yellow	
YellowGreen		YellowOrange	

Figure 3: dvips colors

### 4.3 Colors via svgnames option

 AliceBlue	 DarkKhaki	 Green	 LightSlateGrey
 AntiqueWhite	 DarkMagenta	 GreenYellow	 LightSteelBlue
 Aqua	 DarkOliveGreen	 Grey	 LightYellow
 Aquamarine	 DarkOrange	 Honeydew	 Lime
 Azure	 DarkOrchid	 HotPink	 LimeGreen
 Beige	 DarkRed	 IndianRed	 Linen
 Bisque	 DarkSalmon	 Indigo	 Magenta
 Black	 DarkSeaGreen	 Ivory	 Maroon
 BlanchedAlmond	 DarkSlateBlue	 Khaki	 MediumAquamarine
 Blue	 DarkSlateGrey	 Lavender	 MediumBlue
 BlueViolet	 DarkSlateGrey	 LavenderBlush	 MediumOrchid
 Brown	 DarkTurquoise	 LawnGreen	 MediumPurple
 BurlyWood	 DarkViolet	 LemonChiffon	 MediumSeaGreen
 CadetBlue	 DeepPink	 LightBlue	 MediumSlateBlue
 Chartreuse	 DeepSkyBlue	 LightCoral	 MediumSpringGreen
 Chocolate	 DimGray	 LightCyan	 MediumTurquoise
 Coral	 DimGray	 LightGoldenrod	 MediumVioletRed
 CornflowerBlue	 DodgerBlue	 LightGoldenrodYellow	 MidnightBlue
 Cornsilk	 FireBrick	 LightGray	 MintCream
 Crimson	 FloralWhite	 LightGreen	 MistyRose
 Cyan	 ForestGreen	 LightGrey	 Moccasin
 DarkBlue	 Fuchsia	 LightPink	 NavajoWhite
 DarkCyan	 Gainsboro	 LightSalmon	 Navy
 DarkGoldenrod	 GhostWhite	 LightSeaGreen	 NavyBlue
 DarkGray	 Gold	 LightSkyBlue	 OldLace
 DarkGreen	 Goldenrod	 LightSlateBlue	 Olive
 DarkGrey	 Gray	 LightSlateGray	 OliveDrab
 Orange	 Plum	 Sienna	 Thistle
 OrangeRed	 PowderBlue	 Silver	 Tomato
 Orchid	 Purple	 SkyBlue	 Turquoise
 PaleGoldenrod	 Red	 SlateBlue	 Violet
 PaleGreen	 RosyBrown	 SlateGray	 VioletRed
 PaleTurquoise	 RoyalBlue	 SlateGrey	 Wheat
 PaleVioletRed	 SaddleBrown	 Snow	 White
 PapayaWhip	 Salmon	 SpringGreen	 WhiteSmoke
 PeachPuff	 SandyBrown	 SteelBlue	 Yellow
 Peru	 SeaGreen	 Tan	 YellowGreen
 Pink	 Seashell	 Teal	

Duplicate colors: Aqua = Cyan, Fuchsia = Magenta; Navy = NavyBlue; Gray = Grey, DarkGray = DarkGrey, LightGray = LightGrey, SlateGray = SlateGrey, DarkSlateGray = DarkSlateGrey, LightSlateGray = LightSlateGrey, DimGray = DimGrey.

HTML4 color keyword subset: Aqua, Black, Blue, Fuchsia, Gray, Green, Lime, Maroon, Navy, Olive, Purple, Red, Silver, Teal, White, Yellow.

Colors taken from Unix/X11: LightGoldenrod, LightSlateBlue, NavyBlue, VioletRed.

Figure 4: svgnames with duplicates

### 3 colors in Latex

The initialization of additional commands like `usenames` allows you to use names of the default colors, the same 16 base colors as used in HTML. The `dvipsnames` allows you access to more colors, another 64, and `svgnames` allows access to about 150 colors. The initialization of `"table"` allows colors to be added to tables by placing the color command just before the table. The package loaded here is the `xcolor` package.

If you need more colors, then you may also want to look at adding the `x11names` to the initialization section as well, this offers more than 300 colors, but you need to make sure your `xcolor` package is the most recent you can download.

The predefined color names are

black, blue, brown, cyan, darkgray, gray, green, lightgray, lime, magenta, olive, orange, pink, purple, red, teal, violet, white, yellow.

*some black text, followed by a blue fragment*, going black again. This text will appear red-colored This text will appear green-colored This text will appear custom

The 68 standard colors known to `dvips`

Invoke the package with the `usenames` and `dvipsnames` option. If you are using `tikz` or `pstricks` package you must declare the `xcolor` package before that, otherwise it will not work. This is indented text