LaTeX Package Coloring

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The coloring package makes it possible to define colors automatically by their names.

- It’s useful in drawing a tikz picture.
- It’s useful in designing a beamer theme.

Using the package, you don’t need to write \definecolor before using a color.
Example One: Gray Colors

When you write

\textcolor{gray2}{Text}

The package will automatically define the following gray color for you

\definecolor{gray2}{gray}{0.2}
Example Two: RGB Colors

When you write
\colorbox{rgb37x}{Text}

The package will automatically define the following rgb color for you
\definecolor{rgb37x}{rgb}{0.3,0.7,1.0}
Example Three: HSB Colors

When you write
\colorlet{mycolor}{blue59}

The package will automatically define the following \texttt{hsb} color for you
\definecolor{blue59}{Hsb}{240,0.5,0.9}

You may add the following line to the preamble when using \texttt{hsb} colors
\substitutecolormodel{hsb}{rgb}
## HSB Colors

<table>
<thead>
<tr>
<th>Hue</th>
<th>Name</th>
<th>Hue</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>red</td>
<td>180</td>
<td>cyan</td>
</tr>
<tr>
<td>30</td>
<td>brown</td>
<td>210</td>
<td>azure</td>
</tr>
<tr>
<td>60</td>
<td>yellow</td>
<td>240</td>
<td>blue</td>
</tr>
<tr>
<td>90</td>
<td>olive</td>
<td>270</td>
<td>violet</td>
</tr>
<tr>
<td>120</td>
<td>green</td>
<td>300</td>
<td>magenta</td>
</tr>
<tr>
<td>150</td>
<td>teal</td>
<td>330</td>
<td>purple</td>
</tr>
</tbody>
</table>