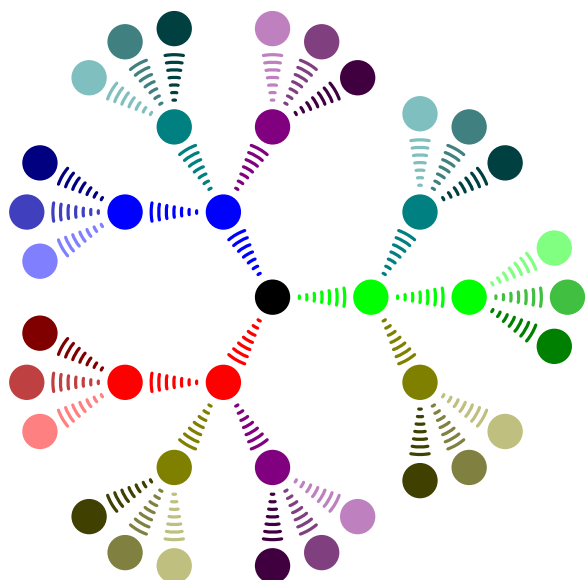# TikZ and PGF

Manual for version 1.18


```
\tikzstyle{level 1}=[sibling angle=120]
\tikzstyle{level 2}=[sibling angle=60]
\tikzstyle{level 3}=[sibling angle=30]
\tikzstyle{every node}=[fill]
\tikzstyle{edge from parent}=[snake=expanding waves,segment length=1mm,segment angle=10,draw]

\tikz [grow cyclic,shape=circle,very thick,level distance=13mm,cap=round]
  \node {} child [color=\A] foreach \A in {red,green,blue}
    { node {} child [color=\A!50!\B] foreach \B in {red,green,blue}
      { node {} child [color=\A!50!\B!50!\C] foreach \C in {black,gray,white}
        { node {} }
      }
    };
```