A stylelist is a generic list of style elements and shorthands; specific examples of stylelists include symbolstylelist, colorstylelist, etc.

A stylelist is

\[ \text{el} \ [ \text{el} \ [\ldots] ] \]

where each \( \text{el} \) may be

\[
\begin{array}{ll}
\text{el} & \text{Description} \\
\text{as\_defined\_by\_style} & \text{what symbolstyle, colorstyle, \ldots allows} \\
"\text{as defined by style}\" & \text{must quote els containing spaces} \\
'"\text{"as "defined" by style}"' & \text{compound quote els containing quotes} \\
. & \text{specifies the “default”} \\
= & \text{repeat previous } \text{el} \\
.. & \text{repeat previous } \text{el} \text{ until end} \\
... & \text{same as ..} \\
\end{array}
\]

If the list ends prematurely, it is as if the list were padded out with \( . \) (meaning the default for the remaining elements).

If the list has more elements than required, extra elements are ignored.

\( = \) in the first element is taken to mean \( . \) (period).

If the list allows numbers including missing values, if missing value is not the default, and if you want to specify missing value for an element, you must enclose the period in quotes: "\."

Examples:

\[
\begin{align*}
\ldots, \ldots, \ldots & \text{ msymbol(O d p o) } \ldots \\
\ldots, \ldots, \ldots & \text{ msymbol(0 . p) } \ldots \\
\ldots, \ldots, \ldots & \text{ mcolor(blue . green green) } \ldots \\
\ldots, \ldots, \ldots & \text{ mcolor(blue . green =) } \ldots \\
\ldots, \ldots, \ldots & \text{ mcolor(blue blue blue blue) } \ldots \\
\ldots, \ldots, \ldots & \text{ mcolor(blue = = =) } \ldots \\
\ldots, \ldots, \ldots & \text{ mcolor(blue ...)} \ldots
\end{align*}
\]

Description

Sometimes an option takes not a colorstyle but a colorstylelist, or not a symbolstyle but a symbolstylelist. colorstyle and symbolstyle are just two examples; there are many styles. Whether an option allows a list is documented in its syntax diagram. For instance, you might see
graph matrix ... [, ... mcolor(colorstyle) ... ]
in one place and

graph twoway scatter ... [, ... mcolor(colorstylelist) ... ]
in another. In either case, to learn about colorstyles, you would see [G-4] colorstyle. Here we have discussed how you would generalize a colorstyle into a colorstylelist or a symbolstyle into a symbolstylelist, etc.

Also see

[G-2] graph twoway — Twoway graphs