Aksjdh

plot([x], y, [fmt], data=**None**, \*\*kwargs)

[fmt]

fmt = '[color][marker][line]'

|  |  |
| --- | --- |
| Markers | Colors |
| | **character** | **description** | | | --- | --- | --- | | '.' | point marker | | | ',' | pixel marker | | | 'o' | circle marker | | | 'v' | triangle\_down marker | | | '^' | triangle\_up marker | | | '<' | triangle\_left marker | | | '>' | triangle\_right marker | | | '1' | tri\_down marker | | | '2' | tri\_up marker | | | '3' | tri\_left marker | | | '4' | tri\_right marker | | | 's' | square marker | | 'p' | pentagon marker | | '\*' | star marker | | 'h' | hexagon1 marker | | 'H' | hexagon2 marker | | '+' | plus marker | | 'x' | x marker | | 'D' | diamond marker | | 'd' | thin\_diamond marker | | '|' | vline marker | | '\_' | hline marker | | | **character** | **color** | | --- | --- | | 'b' | blue | | 'g' | green | | 'r' | red | | 'c' | cyan | | 'm' | magenta | | 'y' | yellow | | 'k' | black | | 'w' | white | |
| Line Styles |
| | **character** | **description** | | --- | --- | | '-' | solid line style | | '--' | dashed line style | | '-.' | dash-dot line style | | ':' | dotted line style | |

**\*\*kwargs** : [Line2D](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D) properties, optional

*kwargs* are used to specify properties like a line label (for auto legends), linewidth, antialiasing, marker face color. Example:

**>>>** plot([1,2,3], [1,2,3], 'go-', label='line 1', linewidth=2)

**>>>** plot([1,2,3], [1,4,9], 'rs', label='line 2')

If you make multiple lines with one plot command, the kwargs apply to all those lines.

Here is a list of available [Line2D](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D) properties:

| **Property** | **Description** |
| --- | --- |
| [agg\_filter](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_agg_filter.html#matplotlib.artist.Artist.set_agg_filter) | a filter function, which takes a (m, n, 3) float array and a dpi value, and returns a (m, n, 3) array |
| [alpha](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_alpha.html#matplotlib.artist.Artist.set_alpha) | float |
| [animated](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_animated.html#matplotlib.artist.Artist.set_animated) | bool |
| [antialiased](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_antialiased) | bool |
| [clip\_box](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_clip_box.html#matplotlib.artist.Artist.set_clip_box) | [Bbox](https://matplotlib.org/api/transformations.html#matplotlib.transforms.Bbox) |
| [clip\_on](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_clip_on.html#matplotlib.artist.Artist.set_clip_on) | bool |
| [clip\_path](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_clip_path.html#matplotlib.artist.Artist.set_clip_path) | [([Path](https://matplotlib.org/api/path_api.html#matplotlib.path.Path), [Transform](https://matplotlib.org/api/transformations.html#matplotlib.transforms.Transform)) | [Patch](https://matplotlib.org/api/_as_gen/matplotlib.patches.Patch.html#matplotlib.patches.Patch) | None] |
| [color](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_color) | color |
| [contains](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_contains.html#matplotlib.artist.Artist.set_contains) | callable |
| [dash\_capstyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_dash_capstyle) | {'butt', 'round', 'projecting'} |
| [dash\_joinstyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_dash_joinstyle) | {'miter', 'round', 'bevel'} |
| [dashes](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_dashes) | sequence of floats (on/off ink in points) or (None, None) |
| [drawstyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_drawstyle) | {'default', 'steps', 'steps-pre', 'steps-mid', 'steps-post'} |
| [figure](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_figure.html#matplotlib.artist.Artist.set_figure) | [Figure](https://matplotlib.org/api/_as_gen/matplotlib.figure.Figure.html#matplotlib.figure.Figure) |
| [fillstyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_fillstyle) | {'full', 'left', 'right', 'bottom', 'top', 'none'} |
| [gid](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_gid.html#matplotlib.artist.Artist.set_gid) | str |
| in\_layout | bool |
| [label](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_label.html#matplotlib.artist.Artist.set_label) | object |
| [linestyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_linestyle) | {'-', '--', '-.', ':', '', (offset, on-off-seq), ...} |
| [linewidth](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_linewidth) | float |
| [marker](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_marker) | unknown |
| [markeredgecolor](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_markeredgecolor) | color |
| [markeredgewidth](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_markeredgewidth) | float |
| [markerfacecolor](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_markerfacecolor) | color |
| [markerfacecoloralt](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_markerfacecoloralt) | color |
| [markersize](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_markersize) | float |
| [markevery](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_markevery) | unknown |
| [path\_effects](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_path_effects.html#matplotlib.artist.Artist.set_path_effects) | [AbstractPathEffect](https://matplotlib.org/api/patheffects_api.html#matplotlib.patheffects.AbstractPathEffect) |
| [picker](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_picker) | float or callable[[Artist, Event], Tuple[bool, dict]] |
| [pickradius](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_pickradius) | float |
| [rasterized](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_rasterized.html#matplotlib.artist.Artist.set_rasterized) | bool or None |
| [sketch\_params](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_sketch_params.html#matplotlib.artist.Artist.set_sketch_params) | (scale: float, length: float, randomness: float) |
| [snap](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_snap.html#matplotlib.artist.Artist.set_snap) | bool or None |
| [solid\_capstyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_solid_capstyle) | {'butt', 'round', 'projecting'} |
| [solid\_joinstyle](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_solid_joinstyle) | {'miter', 'round', 'bevel'} |
| [transform](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_transform) | matplotlib.transforms.Transform |
| [url](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_url.html#matplotlib.artist.Artist.set_url) | str |
| [visible](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_visible.html#matplotlib.artist.Artist.set_visible) | bool |
| [xdata](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_xdata) | 1D array |
| [ydata](https://matplotlib.org/api/_as_gen/matplotlib.lines.Line2D.html#matplotlib.lines.Line2D.set_ydata) | 1D array |
| [zorder](https://matplotlib.org/api/_as_gen/matplotlib.artist.Artist.set_zorder.html#matplotlib.artist.Artist.set_zorder) | float |