

Basic Vector Styling

QGIS Tutorials and Tips



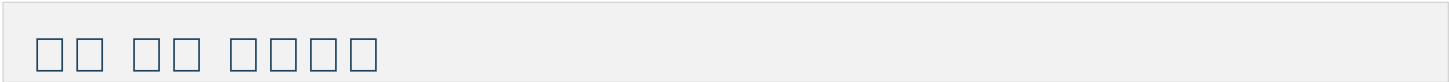
Author

Ujaval Gandhi

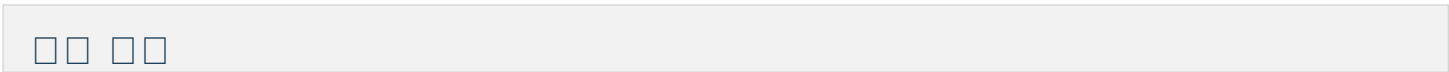
<http://google.com/+UjavalGandhi>

Translations by

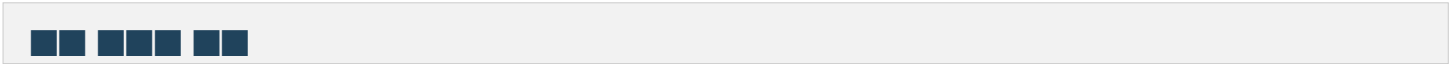
SongHyun Choi



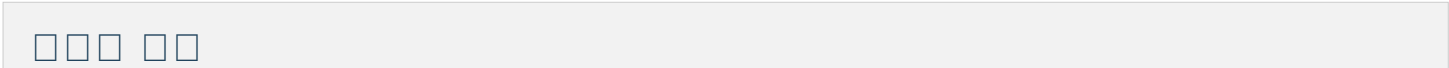
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The data we will use is from [Center for Sustainability and the Global Environment \(SAGE\)](#) at the University of Wisconsin–Madison.

You can download the [Life Expectancy GIS Grid data](#) from the human impact dataset.

For convenience, you may directly download a copy of the dataset from the link below:

lifeexpectancy.zip

□□ □□ [SAGE]

1. QGIS □ □ □ □ Layer ▸ Add Vector Layer... □ □ □ □ □.



2. `lifeexpectancy.zip` を開く。:guilabel: `Open` をクリックする。
`newsweek_data.shp` を開く。:guilabel: `Open` をクリックする。開いた後、`newsweek_data.shp` の CRS (CRS, Coordinate Reference System) を `WGS84 EPSG:4326` に設定する。



3. zip 파일을 압축 해제합니다. 압축 해제된 파일을 확인합니다.



4. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ :guilabel: `Open Attribute Table` ☐ ☐ ☐ ☐ ☐.



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Attribute table - newweek_data :: Features total: 165, filtered: 165, selected: 0

| | GRWRATE | URBPOP | MIG_RATE | POP_15 | POP65_ | LIFEXPCT | CONTRCEP |
|----|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| 0 | 2.620000000 | 47.000000000 | 0.000000000 | 45.200000000 | 3.800000000 | 47.000000000 | 7.000000000 |
| 1 | 2.660000000 | 33.000000000 | 0.000000000 | 44.900000000 | 3.100000000 | 42.000000000 | 4.000000000 |
| 2 | 1.900000000 | 53.000000000 | -0.400000000 | 33.200000000 | 5.100000000 | 76.000000000 | 58.000000000 |
| 3 | 0.940000000 | 35.000000000 | -9.900000000 | 32.300000000 | 4.000000000 | 65.000000000 | 31.000000000 |
| 4 | 3.320000000 | 46.000000000 | 2.200000000 | 46.000000000 | 3.700000000 | 55.000000000 | 6.000000000 |
| 5 | 3.170000000 | 44.000000000 | 0.500000000 | 48.100000000 | 2.800000000 | 52.000000000 | 1.000000000 |
| 6 | 3.360000000 | 32.000000000 | -0.100000000 | 48.000000000 | 2.500000000 | 50.000000000 | 8.000000000 |
| 7 | 3.400000000 | 5.000000000 | 0.700000000 | 49.800000000 | 2.300000000 | 46.000000000 | 10.000000000 |
| 8 | 2.880000000 | 8.000000000 | 0.000000000 | 46.300000000 | 2.900000000 | 48.000000000 | 9.000000000 |
| 9 | 3.720000000 | 29.000000000 | -0.200000000 | 47.100000000 | 2.900000000 | 46.000000000 | 1.000000000 |
| 10 | 2.840000000 | 49.000000000 | -0.100000000 | 48.500000000 | 2.200000000 | 49.000000000 | 1.000000000 |
| 11 | 3.310000000 | 15.000000000 | -7.700000000 | 49.200000000 | 2.600000000 | 45.000000000 | 7.000000000 |
| 12 | 2.370000000 | 51.000000000 | -0.100000000 | 39.700000000 | 3.900000000 | 59.000000000 | 30.000000000 |
| 13 | 2.830000000 | 27.000000000 | 32.000000000 | 44.900000000 | 3.300000000 | 47.000000000 | 4.000000000 |
| 14 | 2.970000000 | 25.000000000 | -0.300000000 | 44.600000000 | 2.800000000 | 60.000000000 | 43.000000000 |
| 15 | 3.180000000 | 33.000000000 | 0.000000000 | 45.000000000 | 3.400000000 | 58.000000000 | 26.000000000 |
| 16 | 1.550000000 | 84.000000000 | 0.000000000 | 30.500000000 | 6.400000000 | 72.000000000 | 43.000000000 |
| 17 | 2.920000000 | 25.000000000 | 0.000000000 | 44.900000000 | 3.300000000 | 68.000000000 | 33.000000000 |
| 18 | 2.690000000 | 46.000000000 | 0.000000000 | 39.600000000 | 3.600000000 | 67.000000000 | 48.000000000 |
| 19 | 2.370000000 | 60.000000000 | 0.200000000 | 37.500000000 | 4.000000000 | 62.000000000 | 48.000000000 |
| 20 | 2.680000000 | 30.000000000 | 0.000000000 | 42.500000000 | 3.100000000 | 57.000000000 | 20.000000000 |
| 21 | 2.470000000 | 9.000000000 | 0.000000000 | 40.700000000 | 3.900000000 | 56.000000000 | 5.000000000 |

Show All Features

6. 000000 0000. 00 000000 000 0000 0000 00 0, :guilabel: `Properties` 000000.



8. Click on 'Single Symbol' in the 'Style' tab. In the 'Symbol layers' section, click on 'Fill'. In the 'Saved styles' section, click on 'dotted'. Click on 'OK'.



9. □□□ □□□ □□□□ □□□□ □□□ □□□ □□□□ □□□ □□□□.



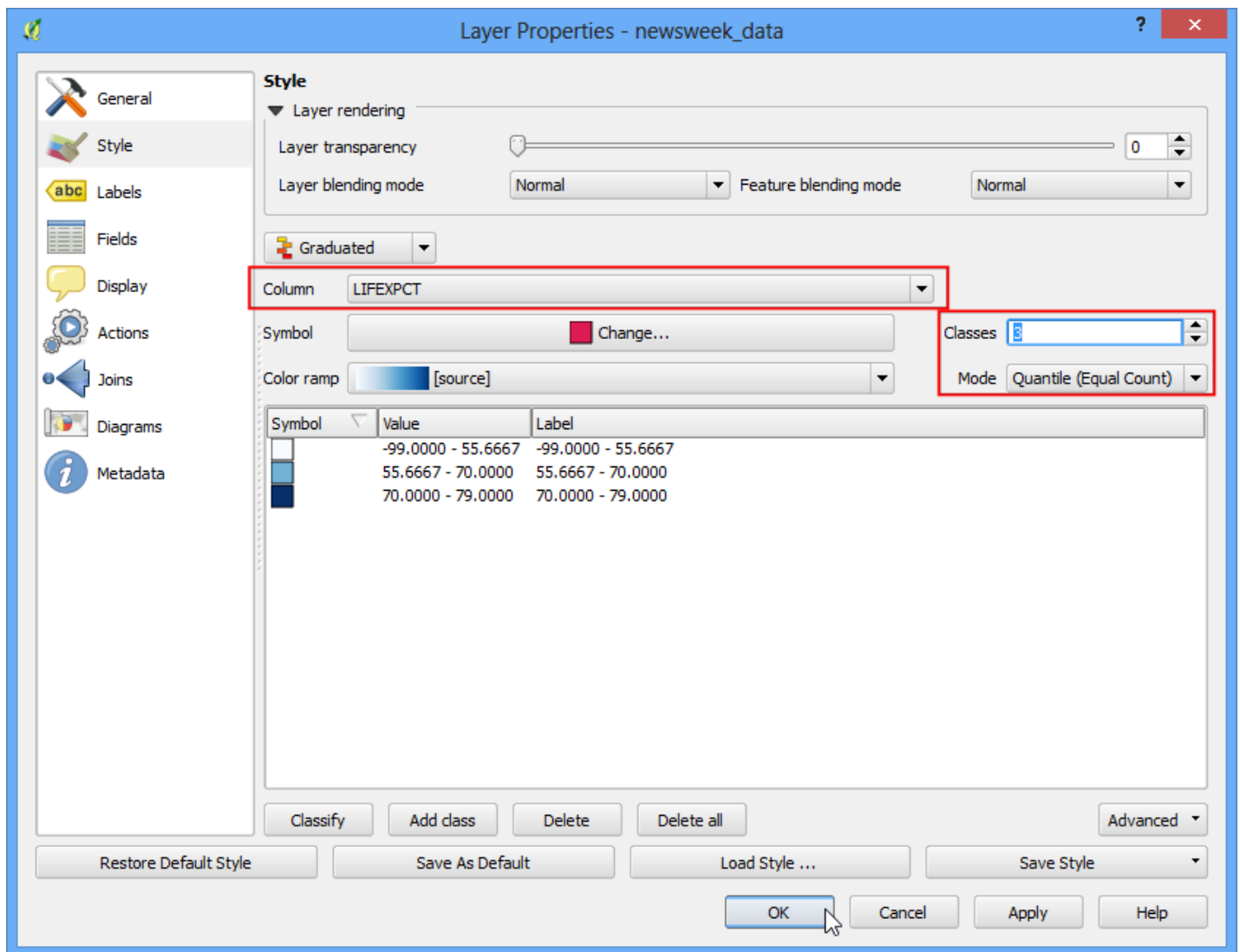
10. The following table shows the results of the query. The first column is the country name, the second column is the life expectancy, and the third column is the color ramp. The fourth column is the 'Classify' button. The fifth column is the 'OK' button.
- | Country | Life Expectancy | Color Ramp | Classify | OK |
|---------------------|-----------------|--------------|----------|----|
| USA | 78 | Red | Classify | OK |
| Canada | 79 | Green | Classify | OK |
| UK | 80 | Blue | Classify | OK |
| France | 81 | Yellow | Classify | OK |
| Germany | 82 | Purple | Classify | OK |
| Italy | 83 | Orange | Classify | OK |
| Spain | 84 | Light Green | Classify | OK |
| Japan | 85 | Light Blue | Classify | OK |
| China | 86 | Light Yellow | Classify | OK |
| India | 87 | Light Purple | Classify | OK |
| Australia | 88 | Light Orange | Classify | OK |
| South Africa | 89 | Light Green | Classify | OK |
| Brazil | 90 | Light Blue | Classify | OK |
| Argentina | 91 | Light Yellow | Classify | OK |
| Chile | 92 | Light Purple | Classify | OK |
| Peru | 93 | Light Orange | Classify | OK |
| Venezuela | 94 | Light Green | Classify | OK |
| Colombia | 95 | Light Blue | Classify | OK |
| Ecuador | 96 | Light Yellow | Classify | OK |
| Bolivia | 97 | Light Purple | Classify | OK |
| Paraguay | 98 | Light Orange | Classify | OK |
| Uruguay | 99 | Light Green | Classify | OK |
| Costa Rica | 100 | Light Blue | Classify | OK |
| Panama | 101 | Light Yellow | Classify | OK |
| Nicaragua | 102 | Light Purple | Classify | OK |
| Honduras | 103 | Light Orange | Classify | OK |
| El Salvador | 104 | Light Green | Classify | OK |
| Guatemala | 105 | Light Blue | Classify | OK |
| Belize | 106 | Light Yellow | Classify | OK |
| Jamaica | 107 | Light Purple | Classify | OK |
| Cuba | 108 | Light Orange | Classify | OK |
| Haiti | 109 | Light Green | Classify | OK |
| Dominican Republic | 110 | Light Blue | Classify | OK |
| Puerto Rico | 111 | Light Yellow | Classify | OK |
| Trinidad and Tobago | 112 | Light Purple | Classify | OK |
| Guyana | 113 | Light Orange | Classify | OK |
| Suriname | 114 | Light Green | Classify | OK |
| French Guiana | 115 | Light Blue | Classify | OK |
| Guadeloupe | 116 | Light Yellow | Classify | OK |
| Martinique | 117 | Light Purple | Classify | OK |
| Reunion | 118 | Light Orange | Classify | OK |
| Mayotte | 119 | Light Green | Classify | OK |
| French Polynesia | 120 | Light Blue | Classify | OK |
| New Caledonia | 121 | Light Yellow | Classify | OK |
| Wallis and Futuna | 122 | Light Purple | Classify | OK |
| Polynesia | 123 | Light Orange | Classify | OK |
| Samoa | 124 | Light Green | Classify | OK |
| Tonga | 125 | Light Blue | Classify | OK |
| Fiji | 126 | Light Yellow | Classify | OK |
| Vanuatu | 127 | Light Purple | Classify | OK |
| Solomon Islands | 128 | Light Orange | Classify | OK |
| Papua New Guinea | 129 | Light Green | Classify | OK |
| East Timor | 130 | Light Blue | Classify | OK |
| Indonesia | 131 | Light Yellow | Classify | OK |
| Malaysia | 132 | Light Purple | Classify | OK |
| Philippines | 133 | Light Orange | Classify | OK |
| Thailand | 134 | Light Green | Classify | OK |
| Laos | 135 | Light Blue | Classify | OK |
| Cambodia | 136 | Light Yellow | Classify | OK |
| Myanmar | 137 | Light Purple | Classify | OK |
| Burma | 138 | Light Orange | Classify | OK |
| India | 139 | Light Green | Classify | OK |
| Nepal | 140 | Light Blue | Classify | OK |
| Bhutan | 141 | Light Yellow | Classify | OK |
| Tibet | 142 | Light Purple | Classify | OK |
| Mongolia | 143 | Light Orange | Classify | OK |
| North Korea | 144 | Light Green | Classify | OK |
| South Korea | 145 | Light Blue | Classify | OK |
| Japan | 146 | Light Yellow | Classify | OK |
| China | 147 | Light Purple | Classify | OK |
| Taiwan | 148 | Light Orange | Classify | OK |
| Hong Kong | 149 | Light Green | Classify | OK |
| Macao | 150 | Light Blue | Classify | OK |
| Macau | 151 | Light Yellow | Classify | OK |
| Guangdong | 152 | Light Purple | Classify | OK |
| Guangxi | 153 | Light Orange | Classify | OK |
| Guizhou | 154 | Light Green | Classify | OK |
| Inner Mongolia | 155 | Light Blue | Classify | OK |
| Shaanxi | 156 | Light Yellow | Classify | OK |
| Shandong | 157 | Light Purple | Classify | OK |
| Shanghai | 158 | Light Orange | Classify | OK |
| Sichuan | 159 | Light Green | Classify | OK |
| Tianjin | 160 | Light Blue | Classify | OK |
| Yunnan | 161 | Light Yellow | Classify | OK |
| Zhejiang | 162 | Light Purple | Classify | OK |
| Henan | 163 | Light Orange | Classify | OK |
| Hebei | 164 | Light Green | Classify | OK |
| Guangdong | 165 | Light Blue | Classify | OK |
| Guangxi | 166 | Light Yellow | Classify | OK |
| Guizhou | 167 | Light Purple | Classify | OK |
| Inner Mongolia | 168 | Light Orange | Classify | OK |
| Shaanxi | 169 | Light Green | Classify | OK |
| Shandong | 170 | Light Blue | Classify | OK |
| Shanghai | 171 | Light Yellow | Classify | OK |
| Sichuan | 172 | Light Purple | Classify | OK |
| Tianjin | 173 | Light Orange | Classify | OK |
| Yunnan | 174 | Light Green | Classify | OK |
| Zhejiang | 175 | Light Blue | Classify | OK |
| Henan | 176 | Light Yellow | Classify | OK |
| Hebei | 177 | Light Purple | Classify | OK |
| Guangdong | 178 | Light Orange | Classify | OK |
| Guangxi | 179 | Light Green | Classify | OK |
| Guizhou | 180 | Light Blue | Classify | OK |
| Inner Mongolia | 181 | Light Yellow | Classify | OK |
| Shaanxi | 182 | Light Purple | Classify | OK |
| Shandong | 183 | Light Orange | Classify | OK |
| Shanghai | 184 | Light Green | Classify | OK |
| Sichuan | 185 | Light Blue | Classify | OK |
| Tianjin | 186 | Light Yellow | Classify | OK |
| Yunnan | 187 | Light Purple | Classify | OK |
| Zhejiang | 188 | Light Orange | Classify | OK |
| Henan | 189 | Light Green | Classify | OK |
| Hebei | 190 | Light Blue | Classify | OK |
| Guangdong | 191 | Light Yellow | Classify | OK |
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| Guizhou | 193 | Light Orange | Classify | OK |
| Inner Mongolia | 194 | Light Green | Classify | OK |
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| Shandong | 196 | Light Yellow | Classify | OK |
| Shanghai | 197 | Light Purple | Classify | OK |
| Sichuan | 198 | Light Orange | Classify | OK |
| Tianjin | 199 | Light Green | Classify | OK |
| Yunnan | 200 | Light Blue | Classify | OK |
| Zhejiang | 201 | Light Yellow | Classify | OK |
| Henan | 202 | Light Purple | Classify | OK |
| Hebei | 203 | Light Orange | Classify | OK |
| Guangdong | 204 | Light Green | Classify | OK |
| Guangxi | 205 | Light Blue | Classify | OK |
| Guizhou | 206 | Light Yellow | Classify | OK |
| Inner Mongolia | 207 | Light Purple | Classify | OK |
| Shaanxi | 208 | Light Orange | Classify | OK |
| Shandong | 209 | Light Green | Classify | OK |
| Shanghai | 210 | Light Blue | Classify | OK |
| Sichuan | 211 | Light Yellow | Classify | OK |
| Tianjin | 212 | Light Purple | Classify | OK |
| Yunnan | 213 | Light Orange | Classify | OK |
| Zhejiang | 214 | Light Green | Classify | OK |
| Henan | 215 | Light Blue | Classify | OK |
| Hebei | 216 | Light Yellow | Classify | OK |
| Guangdong | 217 | Light Purple | Classify | OK |
| Guangxi | 218 | Light Orange | Classify | OK |
| Guizhou | 219 | Light Green | Classify | OK |
| Inner Mongolia | 220 | Light Blue | Classify | OK |
| Shaanxi | 221 | Light Yellow | Classify | OK |
| Shandong | 222 | Light Purple | Classify | OK |
| Shanghai | 223 | Light Orange | Classify | OK |
| Sichuan | 224 | Light Green | Classify | OK |
| Tianjin | 225 | Light Blue | Classify | OK |
| Yunnan | 226 | Light Yellow | Classify | OK |
| Zhejiang | 227 | Light Purple | Classify | OK |
| Henan | 228 | Light Orange | Classify | OK |
| Hebei | 229 | Light Green | Classify | OK |
| Guangdong | 230 | Light Blue | Classify | OK |
| Guangxi | 231 | Light Yellow | Classify | OK |
| Guizhou | 232 | Light Purple | Classify | OK |
| Inner Mongolia | 233 | Light Orange | Classify | OK |
| Shaanxi | 234 | Light Green | Classify | OK |
| Shandong | 235 | Light Blue | Classify | OK |
| Shanghai | 236 | Light Yellow | Classify | OK |
| Sichuan | 237 | Light Purple | Classify | OK |
| Tianjin | 238 | Light Orange | Classify | OK |
| Yunnan | 239 | Light Green | Classify | OK |
| Zhejiang | 240 | Light Blue | Classify | OK |
| Henan | 241 | Light Yellow | Classify | OK |
| Hebei | 242 | Light Purple | Classify | OK |
| Guangdong | 243 | Light Orange | Classify | OK |
| Guangxi | 244 | Light Green | Classify | OK |
| Guizhou | 245 | Light Blue | Classify | OK |
| Inner Mongolia | 246 | Light Yellow | Classify | OK |
| Shaanxi | 247 | Light Purple | Classify | OK |
| Shandong | 248 | Light Orange | Classify | OK |
| Shanghai | 249 | Light Green | Classify | OK |
| Sichuan | 250 | Light Blue | Classify | OK |
| Tianjin | 251 | Light Yellow | Classify | OK |
| Yunnan | 252 | Light Purple | Classify | OK |
| Zhejiang | 253 | Light Orange | Classify | OK |
| Henan | 254 | Light Green | Classify | OK |
| Hebei | 255 | Light Blue | Classify | OK |
| Guangdong | 256 | Light Yellow | Classify | OK |
| Guangxi | 257 | Light Purple | Classify | OK |
| Guizhou | 258 | Light Orange | Classify | OK |
| Inner Mongolia | 259 | Light Green | Classify | OK |
| Shaanxi | 260 | Light Blue | Classify | OK |
| Shandong | 261 | Light Yellow | Classify | OK |
| Shanghai | 262 | Light Purple | Classify | OK |
| Sichuan | 263 | Light Orange | Classify | OK |
| Tianjin | 264 | Light Green | Classify | OK |
| Yunnan | 265 | Light Blue | Classify | OK |
| Zhejiang | 266 | Light Yellow | Classify | OK |
| Henan | 267 | Light Purple | Classify | OK |
| Hebei | 268 | Light Orange | Classify | OK |
| Guangdong | 269 | Light Green | Classify | OK |
| Guangxi | 270 | Light Blue | Classify | OK |
| Guizhou | 271 | Light Yellow | Classify | OK |
| Inner Mongolia | 272 | Light Purple | Classify | OK |
| Shaanxi | 273 | Light Orange | Classify | OK |
| Shandong | 274 | Light Green | Classify | OK |
| Shanghai | 275 | Light Blue | Classify | OK |
| Sichuan | 276 | Light Yellow | Classify | OK |
| Tianjin | 277 | Light Purple | Classify | OK |
| Yunnan | 278 | Light Orange | Classify | OK |
| Zhejiang | 279 | Light Green | Classify | OK |
| Henan | 280 | Light Blue | Classify | OK |
| Hebei | 281 | Light Yellow | Classify | OK |
| Guangdong | 282 | Light Purple | Classify | OK |
| Guangxi | 283 | Light Orange | Classify | OK |
| Guizhou | 284 | Light Green | Classify | OK |
| Inner Mongolia | 285 | Light Blue | Classify | OK |
| Shaanxi | 286 | Light Yellow | Classify | OK |
| Shandong | 287 | Light Purple | Classify | OK |
| Shanghai | 288 | Light Orange | Classify | OK |
| Sichuan | 289 | Light Green | Classify | OK |
| Tianjin | 290 | Light Blue | Classify | OK |
| Yunnan | 291 | Light Yellow | Classify | OK |
| Zhejiang | 292 | Light Purple | Classify | OK |
| Henan | 293 | Light Orange | Classify | OK |
| Hebei | 294 | Light Green | Classify | OK |
| Guangdong | 295 | Light Blue | Classify | OK |
| Guangxi | 296 | Light Yellow | Classify | OK |
| Guizhou | 297 | Light Purple | Classify | OK |
| Inner Mongolia | 298 | Light Orange | Classify | OK |
| Shaanxi | 299 | Light Green | Classify | OK |
| Shandong | 300 | Light Blue | Classify | OK |



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Note

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13. □ □□□□ □□□□ □□□□□ 3□□ □□□ □□□ □□□□□.



14. □□ □□□□ □□ □□ □□ □□□ Properties` □ □□□ :guilabel:`Style □□□□□ □□□ □□□□. □□□ □ □□□□ □□□□ □□ □□□□. □ □□□ □□ □□□□ □□ □□□□ □□ □ □□□□. □□□□□ □, □, □□ □□□□ □□ □□, □□ □□□ □□□ □□□□ □□□□□.



15. `Symbol Selector` :`guiLabel: 'Color'`



16. Select Color dialog box.



17. Layer Properties dialog box, Style tab, Layer rendering section, Layer transparency slider, Layer blending mode dropdown menu, Feature blending mode dropdown menu, Column dropdown menu, Symbol button, Color ramp dropdown menu, Classes spinner, Mode dropdown menu, Symbol list table, OK button.



18. The Layer Properties dialog box, Style tab, Layer rendering section, Layer transparency slider, Layer blending mode dropdown menu, Feature blending mode dropdown menu, Column dropdown menu, Symbol button, Color ramp dropdown menu, Classes spinner, Mode dropdown menu, Symbol list table, OK button.

