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| --- | --- | --- | --- | --- | --- | --- |
| **Features\Tools** | ColorBrewer | Colorgorical | Palettailor | CCC | ColorCrafter | ColorTool |
| **General Features**  Instructions/Help | Yes | Yes | Yes | Yes | No |  |
| Accessibility | Yes | No | No | Yes | No |  |
| **Palette generation**  Default palettes | Yes | No | No | Yes | Yes |  |
| Auto generation of palettes | No  Users can select from a set of default palettes. | Yes  Users can select number of colors, score settings and hue filters.  Colors are autogenerated | Yes  User can set score settings and hue filters.  Colors are autogenerated | Yes  User can drag and drop from a set of colors.  Palette is auto generated | Yes  User can enter a seed color and adjust score settings.  Palettes are autogenerated |  |
| **Types of Charts Previewed**  Application based/Real world data | Yes | Yes | No | Yes | No |  |
| Scatterplot | No | Yes | Yes | No | Yes |  |
| Line plot | No | No | Yes | No | Yes |  |
| Bar chart | No | Yes | Yes | No | Yes |  |
| **Color Spaces**  RGB | Yes | Yes | Yes | Yes | Yes |  |
| CMYK | Yes | No | Yes | No | No |  |
| LAB | No | Yes | Yes | Yes | No |  |
| LCH | No | Yes | Yes | No | No |  |
| HSL | No | No | Yes | No | No |  |
| DIN99 | No | No | No | Yes | No |  |
| HSV | No | No | No | Yes | No |  |
| **Data type**  Sequential | Yes | No\* | No | Yes | \* |  |
| Diverging | Yes | No | No | Yes | \* |  |
| Qualitative | Yes | No | Yes | Yes | \* |  |
| **Customized Data Sample**  Upload | Yes | No | Yes | No | No |  |
| Download | Yes | No | Yes | Yes | No |  |
| **User customizability**  Allowing users to enter their own colors | No | Yes  Users can select the range of hues they want & add a starting color | No | No | Yes  Users can enter 1 seed color |  |
| Editing colors (changing the colors/changing the position of colors) | No | No | No | Yes | No |  |
| Helper tools and interaction with them | No | Yes  Perceptual distance, name difference, pair preference,  Name uniqueness, lightness range | Yes  Point distinctness, name difference, color discrimination, lightness range | Yes | Yes  Lightness, saturation |  |
| Overall user customizability rating (1 least – 4 most) | 1  No customizability | 4  Most number of options for customizability | 3  Users can adjust settings but have no control over which colors are selected | 4  Most number of options for customizability | 2  Users can enter seed color and have limited number of settings to work with |  |