

|                                                                                                            |                      |                 |                 |                |                   |                |                |                  |                 |                 |                 |                |                |                |                 |
|------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|----------------|-------------------|----------------|----------------|------------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|-----------------|
| <br>THE GENERIC MAPPING TOOLS | SNOW                 | GHOSTWHITE      | FLORALWHITE     | SEASHELL       | OLDLACE           | LINEN          | ANTIQUEWHITE   | PAPAYAWHIP       | BLANCHEDALMOND  | BISQUE          | PEACHPUFF       | NAVAJOWHITE    | MOCCASIN       | LEMONCHIFFON   | CORNSILK        |
|                                                                                                            | 255/250/250          | 248/248/255     | 255/250/240     | 255/245/238    | 253/245/230       | 250/240/230    | 250/235/215    | 255/239/213      | 255/235/205     | 255/228/196     | 255/218/185     | 255/222/173    | 255/228/181    | 255/250/205    | 255/248/220     |
|                                                                                                            | IVORY                | HONEYDEW        | MINTCREAM       | AZURE          | ALICEBLUE         | LAVENDER       | LAVENDERBLUSH  | MISTYROSE        | MIDNIGHTBLUE    | NAVY            | NAVYBLUE        | CORNFLOWERBLUE | DARKSLATEBLUE  | SLATEBLUE      | MEDIUMSLATEBLUE |
|                                                                                                            | 255/255/240          | 240/255/240     | 245/255/250     | 240/255/255    | 240/248/255       | 230/230/250    | 255/240/245    | 255/228/225      | 25/25/112       | 0/0/128         | 0/0/128         | 100/149/237    | 72/61/139      | 106/90/205     | 123/104/238     |
| LIGHTSLATEBLUE                                                                                             | MEDIUMBLUE           | ROYALBLUE       | BLUE            | DARKBLUE       | DODGERBLUE        | STEELBLUE      | DEEPSKYBLUE    | SKYBLUE          | LIGHTSKYBLUE    | LIGHTSLATEGRAY  | SLATEGRAY       | LIGHTSTEELBLUE | LIGHTBLUE      | LIGHTCYAN      | POWDERBLUE      |
| 132/112/255                                                                                                | 0/0/205              | 65/105/225      | 0/0/255         | 0/0/139        | 30/144/255        | 70/130/180     | 0/191/255      | 135/206/235      | 135/206/250     | 119/136/153     | 112/128/144     | 176/196/222    | 173/216/230    | 224/255/255    | 176/224/230     |
| PALETURQUOISE                                                                                              | CADETBBLUE           | DARKTURQUOISE   | MEDIUMTURQUOISE | TURQUOISE      | CYAN              | DARKCYAN       | DARKSLATEGRAY  | MEDIUMAQUAMARINE | AQUAMARINE      | DARKGREEN       | LIGHTGREEN      | DARKSEAGREEN   | SEAGREEN       | MEDIUMSEAGREEN | LIGHTSEAGREEN   |
| 175/238/238                                                                                                | 95/158/160           | 0/206/209       | 72/209/204      | 64/224/208     | 0/255/255         | 0/139/139      | 47/79/79       | 102/205/170      | 127/255/212     | 0/100/0         | 144/238/144     | 143/188/143    | 46/139/87      | 60/179/113     | 32/178/170      |
| PALEGREEN                                                                                                  | SPRINGGREEN          | LAWNGREEN       | GREEN           | CHARTREUSE     | MEDIUMSPRINGGREEN | GREENYELLOW    | LIMEGREEN      | YELLOWGREEN      | FORESTGREEN     | OLIVEDRAB       | DARKOLIVEGREEN  | DARKKHAKI      | KHAKI          | PALEGOLDENROD  | LIGHTGOLDENROD  |
| 152/251/152                                                                                                | 0/255/127            | 124/252/0       | 0/255/0         | 127/255/0      | 0/250/154         | 173/255/47     | 50/205/50      | 154/205/50       | 34/139/34       | 107/142/35      | 85/107/47       | 189/183/107    | 240/230/140    | 238/232/170    | 238/221/130     |
| LIGHTYELLOW                                                                                                | LIGHTGOLDENRODYELLOW | YELLOW          | DARKYELLOW      | GOLD           | GOLDENROD         | DARKGOLDENROD  | ROSYBROWN      | INDIANRED        | SADDLEBROWN     | SIENNA          | PERU            | BURLYWOOD      | BEIGE          | WHEAT          | SANDYBROWN      |
| 255/255/224                                                                                                | 250/250/210          | 255/255/0       | 128/128/0       | 255/215/0      | 218/165/32        | 184/134/11     | 188/143/143    | 205/92/92        | 139/69/19       | 160/82/45       | 205/133/63      | 222/184/135    | 245/245/220    | 245/222/179    | 244/164/96      |
| TAN                                                                                                        | CHOCOLATE            | FIREBRICK       | LIGHTBROWN      | BROWN          | DARKBROWN         | DARKSALMON     | SALMON         | LIGHTSALMON      | LIGHTORANGE     | ORANGE          | DARKORANGE      | CORAL          | LIGHTCORAL     | TOMATO         | ORANGERED       |
| 210/180/140                                                                                                | 210/105/30           | 178/34/34       | 235/190/85      | 165/42/42      | 120/60/30         | 233/150/122    | 250/128/114    | 255/160/122      | 255/192/128     | 255/165/0       | 255/140/0       | 255/127/80     | 240/128/128    | 255/99/71      | 255/69/0        |
| RED                                                                                                        | LIGHTRED             | DARKRED         | DEEPPINK        | HOTPINK        | PINK              | LIGHTPINK      | PALEVIOLETRED  | MAROON           | MEDIUMVIOLETRED | VIOLETRED       | DARKMAGENTA     | MAGENTA        | LIGHTMAGENTA   | VIOLET         | ORCHID          |
| 255/0/0                                                                                                    | 255/128/128          | 139/0/0         | 255/20/147      | 255/105/180    | 255/192/203       | 255/182/193    | 219/112/147    | 176/48/96        | 199/21/133      | 208/32/144      | 139/0/139       | 255/0/255      | 255/128/255    | 238/130/238    | 218/112/214     |
| PLUM                                                                                                       | MEDIUMORCHID         | DARKORCHID      | DARKVIOLET      | BLUEVIOLET     | PURPLE            | MEDIUMPURPLE   | THISTLE        | BLACK            | DIMGRAY         | DARKGRAY        | GRAY            | LIGHTGRAY      | GAINSBORO      | WHITESMOKE     | WHITE           |
| 221/160/221                                                                                                | 186/85/211           | 153/50/204      | 148/0/211       | 138/43/226     | 160/32/240        | 147/112/219    | 216/191/216    | 0                | 105             | 169             | 190             | 211            | 220            | 245            | 255             |
| SNOW1                                                                                                      | SNOW2                | SNOW3           | SNOW4           | SEASHELL1      | SEASHELL2         | SEASHELL3      | SEASHELL4      | ANTIQUEWHITE1    | ANTIQUEWHITE2   | ANTIQUEWHITE3   | ANTIQUEWHITE4   | BISQUE1        | BISQUE2        | BISQUE3        | BISQUE4         |
| 255/250/250                                                                                                | 238/233/233          | 205/201/201     | 139/137/137     | 255/245/238    | 238/229/222       | 205/197/191    | 139/134/130    | 255/239/219      | 238/223/204     | 205/192/176     | 139/131/120     | 255/228/196    | 238/213/183    | 205/183/158    | 139/125/107     |
| PEACHPUFF1                                                                                                 | PEACHPUFF2           | PEACHPUFF3      | PEACHPUFF4      | NAVAJOWHITE1   | NAVAJOWHITE2      | NAVAJOWHITE3   | NAVAJOWHITE4   | LEMONCHIFFON1    | LEMONCHIFFON2   | LEMONCHIFFON3   | LEMONCHIFFON4   | CORNSILK1      | CORNSILK2      | CORNSILK3      | CORNSILK4       |
| 255/218/185                                                                                                | 238/203/173          | 205/175/149     | 139/119/101     | 255/222/173    | 238/207/161       | 205/179/139    | 139/121/94     | 255/250/205      | 238/233/191     | 205/201/165     | 139/137/112     | 255/248/220    | 238/232/205    | 205/200/177    | 139/136/120     |
| IVORY1                                                                                                     | IVORY2               | IVORY3          | IVORY4          | HONEYDEW1      | HONEYDEW2         | HONEYDEW3      | HONEYDEW4      | LAVENDERBLUSH1   | LAVENDERBLUSH2  | LAVENDERBLUSH3  | LAVENDERBLUSH4  | MISTYROSE1     | MISTYROSE2     | MISTYROSE3     | MISTYROSE4      |
| 255/255/240                                                                                                | 238/238/224          | 205/205/193     | 139/139/131     | 240/255/240    | 224/238/224       | 193/205/193    | 131/139/131    | 255/240/245      | 238/224/229     | 205/193/197     | 139/131/134     | 255/228/225    | 238/213/210    | 205/183/181    | 139/125/123     |
| AZURE1                                                                                                     | AZURE2               | AZURE3          | AZURE4          | SLATEBLUE1     | SLATEBLUE2        | SLATEBLUE3     | SLATEBLUE4     | ROYALBLUE1       | ROYALBLUE2      | ROYALBLUE3      | ROYALBLUE4      | BLUE1          | BLUE2          | BLUE3          | BLUE4           |
| 240/255/255                                                                                                | 224/238/238          | 193/205/205     | 131/139/139     | 131/111/255    | 122/103/238       | 105/89/205     | 71/60/139      | 72/118/255       | 67/110/238      | 58/95/205       | 39/64/139       | 0/0/255        | 0/0/238        | 0/0/205        | 0/0/139         |
| DODGERBLUE1                                                                                                | DODGERBLUE2          | DODGERBLUE3     | DODGERBLUE4     | STEELBLUE1     | STEELBLUE2        | STEELBLUE3     | STEELBLUE4     | DEEPSKYBLUE1     | DEEPSKYBLUE2    | DEEPSKYBLUE3    | DEEPSKYBLUE4    | SKYBLUE1       | SKYBLUE2       | SKYBLUE3       | SKYBLUE4        |
| 30/144/255                                                                                                 | 28/134/238           | 24/116/205      | 16/78/139       | 99/184/255     | 92/172/238        | 79/148/205     | 54/100/139     | 0/191/255        | 0/178/238       | 0/154/205       | 0/104/139       | 135/206/255    | 126/192/238    | 108/166/205    | 74/112/139      |
| LIGHTSKYBLUE1                                                                                              | LIGHTSKYBLUE2        | LIGHTSKYBLUE3   | LIGHTSKYBLUE4   | SLATEGRAY1     | SLATEGRAY2        | SLATEGRAY3     | SLATEGRAY4     | LIGHTSTEELBLUE1  | LIGHTSTEELBLUE2 | LIGHTSTEELBLUE3 | LIGHTSTEELBLUE4 | LIGHTBLUE1     | LIGHTBLUE2     | LIGHTBLUE3     | LIGHTBLUE4      |
| 176/226/255                                                                                                | 164/211/238          | 141/182/205     | 96/123/139      | 198/226/255    | 185/211/238       | 159/182/205    | 108/123/139    | 202/225/255      | 188/210/238     | 162/181/205     | 110/123/139     | 191/239/255    | 178/223/238    | 154/192/205    | 104/131/139     |
| LIGHTCYAN1                                                                                                 | LIGHTCYAN2           | LIGHTCYAN3      | LIGHTCYAN4      | PALETURQUOISE1 | PALETURQUOISE2    | PALETURQUOISE3 | PALETURQUOISE4 | CADETBBLUE1      | CADETBBLUE2     | CADETBBLUE3     | CADETBBLUE4     | TURQUOISE1     | TURQUOISE2     | TURQUOISE3     | TURQUOISE4      |
| 224/255/255                                                                                                | 209/238/238          | 180/205/205     | 122/139/139     | 187/255/255    | 174/238/238       | 150/205/205    | 102/139/139    | 152/245/255      | 142/229/238     | 122/197/205     | 83/134/139      | 0/245/255      | 0/229/238      | 0/197/205      | 0/134/139       |
| CYAN1                                                                                                      | CYAN2                | CYAN3           | CYAN4           | DARKSLATEGRAY1 | DARKSLATEGRAY2    | DARKSLATEGRAY3 | DARKSLATEGRAY4 | AQUAMARINE1      | AQUAMARINE2     | AQUAMARINE3     | AQUAMARINE4     | DARKSEAGREEN1  | DARKSEAGREEN2  | DARKSEAGREEN3  | DARKSEAGREEN4   |
| 0/255/255                                                                                                  | 0/238/238            | 0/205/205       | 0/139/139       | 151/255/255    | 141/238/238       | 121/205/205    | 82/139/139     | 127/255/212      | 118/238/198     | 102/205/170     | 69/139/116      | 193/255/193    | 180/238/180    | 155/205/155    | 105/139/105     |
| SEAGREEN1                                                                                                  | SEAGREEN2            | SEAGREEN3       | SEAGREEN4       | PALEGREEN1     | PALEGREEN2        | PALEGREEN3     | PALEGREEN4     | SPRINGGREEN1     | SPRINGGREEN2    | SPRINGGREEN3    | SPRINGGREEN4    | GREEN1         | GREEN2         | GREEN3         | GREEN4          |
| 84/255/159                                                                                                 | 78/238/148           | 67/205/128      | 46/139/87       | 154/255/154    | 144/238/144       | 124/205/124    | 84/139/84      | 0/255/127        | 0/238/118       | 0/205/102       | 0/139/69        | 0/255/0        | 0/238/0        | 0/205/0        | 0/139/0         |
| CHARTREUSE1                                                                                                | CHARTREUSE2          | CHARTREUSE3     | CHARTREUSE4     | OLIVEDRAB1     | OLIVEDRAB2        | OLIVEDRAB3     | OLIVEDRAB4     | DARKOLIVEGREEN1  | DARKOLIVEGREEN2 | DARKOLIVEGREEN3 | DARKOLIVEGREEN4 | KHAKI1         | KHAKI2         | KHAKI3         | KHAKI4          |
| 127/255/0                                                                                                  | 118/238/0            | 102/205/0       | 69/139/0        | 192/255/62     | 179/238/58        | 154/205/50     | 105/139/34     | 202/255/112      | 188/238/104     | 162/205/90      | 110/139/61      | 255/246/143    | 238/230/133    | 205/198/115    | 139/134/78      |
| LIGHTGOLDENROD1                                                                                            | LIGHTGOLDENROD2      | LIGHTGOLDENROD3 | LIGHTGOLDENROD4 | LIGHTYELLOW1   | LIGHTYELLOW2      | LIGHTYELLOW3   | LIGHTYELLOW4   | YELLOW1          | YELLOW2         | YELLOW3         | YELLOW4         | GOLD1          | GOLD2          | GOLD3          | GOLD4           |
| 255/236/139                                                                                                | 238/220/130          | 205/190/112     | 139/129/76      | 255/255/224    | 238/238/209       | 205/205/180    | 139/139/122    | 255/255/0        | 238/238/0       | 205/205/0       | 139/139/0       | 255/215/0      | 238/201/0      | 205/173/0      | 139/117/0       |
| GOLDENROD1                                                                                                 | GOLDENROD2           | GOLDENROD3      | GOLDENROD4      | DARKGOLDENROD1 | DARKGOLDENROD2    | DARKGOLDENROD3 | DARKGOLDENROD4 | ROSYBROWN1       | ROSYBROWN2      | ROSYBROWN3      | ROSYBROWN4      | INDIANRED1     | INDIANRED2     | INDIANRED3     | INDIANRED4      |
| 255/193/37                                                                                                 | 238/180/34           | 205/155/29      | 139/105/20      | 255/185/15     | 238/173/14        | 205/149/12     | 139/101/8      | 255/193/193      | 238/180/180     | 205/155/155     | 139/105/105     | 255/106/106    | 238/99/99      | 205/85/85      | 139/58/58       |
| SIENNA1                                                                                                    | SIENNA2              | SIENNA3         | SIENNA4         | BURLYWOOD1     | BURLYWOOD2        | BURLYWOOD3     | BURLYWOOD4     | WHEAT1           | WHEAT2          | WHEAT3          | WHEAT4          | TAN1           | TAN2           | TAN3           | TAN4            |
| 255/130/71                                                                                                 | 238/121/66           | 205/104/57      | 139/71/38       | 255/211/155    | 238/197/145       | 205/170/125    | 139/115/85     | 255/231/186      | 238/216/174     | 205/186/150     | 139/126/102     | 255/165/79     | 238/154/73     | 205/133/63     | 139/90/43       |
| CHOCOLATE1                                                                                                 | CHOCOLATE2           | CHOCOLATE3      | CHOCOLATE4      | FIREBRICK1     | FIREBRICK2        | FIREBRICK3     | FIREBRICK4     | BROWN1           | BROWN2          | BROWN3          | BROWN4          | SALMON1        | SALMON2        | SALMON3        | SALMON4         |
| 255/127/36                                                                                                 | 238/118/33           | 205/102/29      | 139/69/19       | 255/48/48      | 238/44/44         | 205/38/38      | 139/26/26      | 255/64/64        | 238/59/59       | 205/51/51       | 139/35/35       | 255/140/105    | 238/130/98     | 205/112/84     | 139/76/57       |
| LIGHTSALMON1                                                                                               | LIGHTSALMON2         | LIGHTSALMON3    | LIGHTSALMON4    | ORANGE1        | ORANGE2           | ORANGE3        | ORANGE4        | DARKORANGE1      | DARKORANGE2     | DARKORANGE3     | DARKORANGE4     | CORAL1         | CORAL2         | CORAL3         | CORAL4          |
| 255/160/122                                                                                                | 238/149/114          | 205/129/98      | 139/87/66       | 255/165/0      | 238/154/0         | 205/133/0      | 139/90/0       | 255/127/0        | 238/118/0       | 205/102/0       | 139/69/0        | 255/114/86     | 238/106/80     | 205/91/69      | 139/62/47       |
| TOMATO1                                                                                                    | TOMATO2              | TOMATO3         | TOMATO4         | ORANGERED1     | ORANGERED2        | ORANGERED3     | ORANGERED4     | RED1             | RED2            | RED3            | RED4            | DEEPPINK1      | DEEPPINK2      | DEEPPINK3      | DEEPPINK4       |
| 255/99/71                                                                                                  | 238/92/66            | 205/79/57       | 139/54/38       | 255/69/0       | 238/64/0          | 205/55/0       | 139/37/0       | 255/0/0          | 238/0/0         | 205/0/0         | 139/0/0         | 255/20/147     | 238/18/137     | 205/16/118     | 139/10/80       |
| HOTPINK1                                                                                                   | HOTPINK2             | HOTPINK3        | HOTPINK4        | PINK1          | PINK2             | PINK3          | PINK4          | LIGHTPINK1       | LIGHTPINK2      | LIGHTPINK3      | LIGHTPINK4      | PALEVIOLETRED1 | PALEVIOLETRED2 | PALEVIOLETRED3 | PALEVIOLETRED4  |
| 255/110/180                                                                                                | 238/106/167          | 205/96/144      | 139/58/98       | 255/181/197    | 238/169/184       | 205/145/158    | 139/99/108     | 255/174/185      | 238/162/173     | 205/140/149     | 139/95/101      | 255/130/171    | 238/121/159    | 205/104/137    | 139/71/93       |
| MAROON1                                                                                                    | MAROON2              | MAROON3         | MAROON4         | VIOLETRED1     | VIOLETRED2        | VIOLETRED3     | VIOLETRED4     | MAGENTA1         | MAGENTA2        | MAGENTA3        | MAGENTA4        | ORCHID1        | ORCHID2        | ORCHID3        | ORCHID4         |
| 255/52/179                                                                                                 | 238/48/167           | 205/41/144      | 139/28/98       | 255/62/150     | 238/58/140        | 205/50/120     | 139/34/82      | 255/0/255        | 238/0/238       | 205/0/205       | 139/0/139       | 255/131/250    | 238/122/233    | 205/105/201    | 139/71/137      |
| PLUM1                                                                                                      | PLUM2                | PLUM3           | PLUM4           | MEDIUMORCHID1  | MEDIUMORCHID2     | MEDIUMORCHID3  | MEDIUMORCHID4  | DARKORCHID1      | DARKORCHID2     | DARKORCHID3     | DARKORCHID4     | PURPLE1        | PURPLE2        | PURPLE3        | PURPLE4         |
| 255/187/255                                                                                                | 238/174/238          | 205/150/205     | 139/102/139     | 224/102/255    | 209/95/238        | 180/82/205     | 122/55/139     | 191/62/255       | 178/58/238      | 154/50/205      | 104/34/139      | 155/48/255     | 145/44/238     | 125/38/205     | 85/26/139       |
| MEDIUMPURPLE1                                                                                              | MEDIUMPURPLE2        | MEDIUMPURPLE3   | MEDIUMPURPLE4   | THISTLE1       | THISTLE2          | THISTLE3       | THISTLE4       | GRAY0            | GRAY1           | GRAY2           | GRAY3           | GRAY4          | GRAY5          | GRAY6          | GRAY7           |
| 171/130/255                                                                                                | 159/121/238          | 137/104/205     | 93/71/139       | 255/225/255    | 238/210/238       | 205/181/205    | 139/123/139    | 0                | 3               | 5               | 8               | 10             | 13             | 15             | 18              |
| GRAY8                                                                                                      | GRAY9                | GRAY10          | GRAY11          | GRAY12         | GRAY13            | GRAY14         | GRAY15         | GRAY16           | GRAY17          | GRAY18          | GRAY19          | GRAY20         | GRAY21         | GRAY22         | GRAY23          |
| 20                                                                                                         | 23                   | 26              | 28              | 31             | 33                | 36             | 38             | 41               | 43              | 46              | 48              | 51             | 54             | 56             | 59              |
| GRAY24                                                                                                     | GRAY25               | GRAY26          | GRAY27          | GRAY28         | GRAY29            | GRAY30         | GRAY31         | GRAY32           | GRAY33          | GRAY34          | GRAY35          | GRAY36         | GRAY37         | GRAY38         | GRAY39          |
| 61                                                                                                         | 64                   | 66              | 69              | 71             | 74                | 77             | 79             | 82               | 84              | 87              | 89              | 92             | 94             | 97             | 99              |
| GRAY40                                                                                                     | GRAY41               | GRAY42          | GRAY43          | GRAY44         | GRAY45            | GRAY46         | GRAY47         | GRAY48           | GRAY49          | GRAY50          | GRAY51          | GRAY52         | GRAY53         | GRAY54         | GRAY55          |
| 102                                                                                                        | 105                  | 107             | 110             | 112            | 115               | 117            | 120            | 122              | 125             | 127             | 130             | 133            | 135            | 138            | 140             |
| GRAY56                                                                                                     | GRAY57               | GRAY58          | GRAY59          | GRAY60         | GRAY61            | GRAY62         | GRAY63         | GRAY64           | GRAY65          | GRAY66          | GRAY67          | GRAY68         | GRAY69         | GRAY70         | GRAY71          |
| 143                                                                                                        | 145                  | 148             | 150             | 153            | 156               | 158            | 161            | 163              | 166             | 168             | 171             | 173            | 176            | 179            | 181             |
| GRAY72                                                                                                     | GRAY73               | GRAY74          | GRAY75          | GRAY76         | GRAY77            | GRAY78         | GRAY79         | GRAY80           | GRAY81          | GRAY82          | GRAY83          | GRAY84         | GRAY85         | GRAY86         | GRAY87          |
| 184                                                                                                        | 186                  | 189             | 191             |                |                   |                |                |                  |                 |                 |                 |                |                |                |                 |