

This script contains functions to convert the *KnownColors Enum* into 3 ArrayLists with the names & (1-Based) ColorIndex values for the 174 *KnownColors*, further splitting the *KnownColors* into the subsets of 33 *SystemColors* and 141 *WebColors*. Functions are also provided for generating ArrayLists of the HSL and Argb values for the 3 color sets, and an ArrayList that contains PSObjects detailing all the information relating to a color set. The names in these ArrayLists may be used in a ForEach-Object Loop to get the corresponding [System.Drawing.Color] by use of commands like: \$Color = [System.Drawing.Color]::FromName(\$_.Name). Using this ability a final option allows you to get an ArrayList of PSObjects that correspond to Powershell's native representation of a [System.Drawing.Color].

The *WebColor* values are static, while the *SystemColors* values will vary from PC to PC as their values reflect the active System Colors based on current color settings or Themes.

Parameter: ColorSet - Alias: CS

Select the Output Color Set: **Known**, **System**, or **Web**.

Parameter: OutputType - Alias: OT

Sets the data to be output in an ArrayList:

- **ColorSet:** Native Powershell Color Objects
- **ColorSetInfo:** Color Names & (1-Based) ColorIndex values
- **ColorInfoTable:** All Color Property Values
- **ArgbInHex:** Color Alpha, Red, Green, Blue channels as a single Hex value: AARRGGBB
- **HueList:** Color Names & HSL Hue values
- **SaturationList:** Color Names & HSL Saturation values
- **BrightnessList:** Color Names & HSL Lightness values

The following is a sample of the output from the **ColorInfoTable** option piped to a GridView:

Name	Index	A	R	G	B	ARGB	Hue	Saturat...	Brightness	IsSystemColor	IsWebColor
ActiveBorder	1	255	192	192	192	FFB4B4B4	0.00000000	0.00000000	0.70588234	True	False
ActiveCaption	2	255	153	180	209	FF99B4D1	211.0714000	0.3783784	0.70980239	True	False
ActiveCaptionText	3	255	0	0	0	FF000000	0.00000000	0.00000000	0.00000000	True	False
AppWorkSpace	4	255	171	171	171	FFA8A8A8	0.00000000	0.00000000	0.6705883	True	False
Control	5	255	240	240	240	FFF0F0F0	0.00000000	0.00000000	0.9411765	True	False
ControlDark	6	255	160	160	160	FFA0A0A0	0.00000000	0.00000000	0.6274510	True	False
ControlDarkText	7	255	105	105	105	FF696969	0.00000000	0.00000000	0.4117647	True	False
ControlLight	8	255	227	227	227	FFE3E3E3	0.00000000	0.00000000	0.8901961	True	False
ControlLightText	9	255	255	255	255	FFFFFF	0.00000000	0.00000000	1.0000000	True	False
ControlText	10	255	0	0	0	FF000000	0.00000000	0.00000000	0.00000000	True	False
Desktop	11	255	45	125	154	FF2D7D...	195.9633000	0.5477387	0.3901961	True	False
GrayText	12	255	109	109	109	FF6D6D...	0.00000000	0.00000000	0.4274510	True	False
Highlight	13	255	0	120	215	FF007B07	206.5116000	1.0000000	0.4215686	True	False
HighlightText	14	255	255	255	255	FFFFFF	0.00000000	0.00000000	1.0000000	True	False
HotTrack	15	255	0	102	204	FF0066CC	210.0000000	1.0000000	0.4000000	True	False
InactiveBorder	16	255	244	247	252	FFF4F7FC	217.5000000	0.5714279	0.9725490	True	False
InactiveCaption	17	255	191	205	219	FFBFCDD...	210.0000000	0.2800000	0.8039216	True	False
InactiveCaptionText	18	255	0	0	0	FF000000	0.00000000	0.00000000	0.00000000	True	False
Info	19	255	255	255	225	FFFFFFE1	0.00000000	1.0000000	0.9411765	True	False
InfoText	20	255	0	0	0	FF000000	0.00000000	0.00000000	0.00000000	True	False
Menu	21	255	240	240	240	FFF0F0F0	0.00000000	0.00000000	0.9411765	True	False
MenuText	22	255	0	0	0	FF000000	0.00000000	0.00000000	0.00000000	True	False
ScrollBar	23	255	200	200	200	FFC0C0...	0.00000000	0.00000000	0.7843137	True	False
Window	24	255	255	255	255	FFFFFF	0.00000000	0.00000000	1.0000000	True	False
WindowFrame	25	255	100	100	100	FF646464	0.00000000	0.00000000	0.3921569	True	False
WindowText	26	255	0	0	0	FF000000	0.00000000	0.00000000	0.00000000	True	False
Transparent	27	0	255	255	255	00FFFFFF	0.00000000	0.00000000	1.0000000	False	True
AliceBlue	28	255	240	248	255	FFF0F8FF	208.0000000	1.0000000	0.9705882	False	True
AntiqueWhite	29	255	250	235	215	FFAEB07	034.2857200	0.7777780	0.9117647	False	True
Aqua	30	255	0	255	255	FF00FFFF	180.0000000	1.0000000	0.5000000	False	True
Documentation	31	255	137	255	312	FF8CF7FA	158.6210000	1.0000000	0.7490196	False	True