

# Color Scroll Dialog Box

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using System;
using System.Drawing;
using System.Windows.Forms;

class ColorScrollDialogBox: Form
{
    Label[] alabelName = new Label[3];
    Label[] alabelValue = new Label[3];
    VScrollBar[] avscroll = new VScrollBar[3];

    public event EventHandler Changed;

    public ColorScrollDialogBox()
    {
        Color[] acolor = { Color.Red, Color.Green, Color.Blue };

        for (int i = 0; i < 3; i++) { alabelName[i] = new Label();
            alabelName[i].Parent = this; alabelName[i].ForeColor =
            acolor[i]; alabelName[i].Text = "&" +
            acolor[i].ToKnownColor(); alabelName[i].TextAlign =
            ContentAlignment.MiddleCenter; avscroll[i] = new VScrollBar();
            avscroll[i].Parent = this; avscroll[i].SmallChange = 1;
            avscroll[i].LargeChange = 16; avscroll[i].Minimum = 0;
            avscroll[i].Maximum = 255 + avscroll[i].LargeChange - 1;
            avscroll[i].ValueChanged += new
            EventHandler(ScrollOnValueChanged); avscroll[i].TabStop =
            true; alabelValue[i] = new Label(); alabelValue[i].Parent =
            this; alabelValue[i].TextAlign =
            ContentAlignment.MiddleCenter; } OnResize(EventArgs.Empty); }
        public Color Color { get { return
        Color.FromArgb(avscroll[0].Value, avscroll[1].Value,
        avscroll[2].Value); } set { avscroll[0].Value = value.R;
        avscroll[1].Value = value.G; avscroll[2].Value = value.B; } }
        protected override void OnResize(EventArgs ea) {
        base.OnResize(ea); int cx = ClientSize.Width; int cy =
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ClientSize.Height; int cyFont = Font.Height; for (int i = 0; i
< 3; i++) { alabelName[i].Location = new Point(i * cx / 3,
cyFont / 2); alabelName[i].Size = new Size(cx / 3, cyFont);
avscroll[i].Location = new Point((4 * i + 1) * cx / 12, 2 *
cyFont); avscroll[i].Size = new Size(cx / 6, cy - 4 * cyFont);
alabelValue[i].Location = new Point(i * cx / 3, cy - 3 * cyFont
/ 2); alabelValue[i].Size = new Size(cx / 3, cyFont); } } void
ScrollOnValueChanged(Object obj, EventArgs ea) { for (int i =
0; i < 3; i++) if((VScrollBar) obj == avscroll[i])
alabelValue[i].Text = avscroll[i].Value.ToString(); if
(Changed != null) Changed(this, new EventArgs()); } } class
ModelessColorScroll: Form { public static void Main() {
Application.Run(new ModelessColorScroll()); } public
ModelessColorScroll() { ColorScrollDialogBox dlg = new
ColorScrollDialogBox(); dlg.Owner = this; dlg.Color =
BackColor;          dlg.Changed          +=          new
EventHandler(ColorScrollOnChanged); dlg.Show(); } void
ColorScrollOnChanged(object obj, EventArgs ea) {
ColorScrollDialogBox dlg = (ColorScrollDialogBox) obj;
BackColor = dlg.Color; } } [/csharp]

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