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var defaultRulerUnits = preferences.rulerUnits;
preferences.rulerUnits = Units.PIXELS;
width = 1280;
height = 800;
resolution = 72;
year = prompt("Indica el año, ");
year = parseInt(year);
docName = "Calendario " + year + " Photoshop";

/* Establecer colores */

normalColor = new SolidColor();
highlightColor = new SolidColor();
backColor = new SolidColor();

normalColor.rgb.hexValue = "ffffff";
highlightColor.rgb.hexValue = "a4b1d1";
backColor.rgb.hexValue = "1b4392";

/* Definición para diferentes capas de texto */

weekdays = new Array ("L","M","X","J","V","S","D");

months = new Array ("Enero","Febrero","Marzo","Abril",
"Mayo","Junio","Julio","Agosto",
"Septiembre","Octubre","Noviembre","Diciembre");

/* Creación de un nuevo documento PSD */

doc = app.documents.add(width, height, resolution, docName,
NewDocumentMode.RGB);
doc.selection.selectAll();
doc.selection.fill(backColor);
doc.selection.deselect();

/* Imagen de fondo. Aparecerá una ventana. */

file = app.openDialog();

if (file[0]) {
app.load(file[0]);
backFile = app.activeDocument;
backFile.resizeImage(width, height);
backFile.selection.selectAll();
backFile.selection.copy();
backFile.close(SaveOptions.DONNOTSAVECHANGES);
doc.paste();
doc.layers[0].name = "Background Image";

}

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/* Generador de la malla del calendario */

for (currentMonth = 0; currentMonth < 12; currentMonth++) {

x = currentMonth % 4;
y = Math.floor(currentMonth/4);

group = doc.layerSets.add();
group.name = months[currentMonth];

for (currentWeekday = 0; currentWeekday < 7; currentWeekday++) {

z = currentWeekday

days = group.artLayers.add();
days.kind = LayerKind.TEXT;
days.name = weekdays[currentWeekday];
days.textItem.color = normalColor;
days.textItem.size = 18;
days.textItem.kind = TextType.PARAGRAPHTEXT;
days.textItem.justification = Justification.CENTER;
days.textItem.height = 18;
days.textItem.width = 24;
days.textItem.contents = weekdays[currentWeekday];
days.textItem.position = new Array( (65+(300*x)+(24*(z+1))), (57+(210*y)));

}

var first = new Date(year, currentMonth, 1).getDay() + 6;
var totalDays = new Date (year, (currentMonth + 1), 0).getDate();

for (numDate = 0; numDate < totalDays; numDate ++) {

m = ((first + numDate) % 7);
n = Math.floor((first + numDate) / 7);

text = numDate + 1;
if (text < 10) {
text = "0" + text;
}

numeralDate = group.artLayers.add();
numeralDate.kind = LayerKind.TEXT;
numeralDate.name = "Numeral";
numeralDate.textItem.color = normalColor;
numeralDate.textItem.size = 18;
numeralDate.textItem.kind = TextType.PARAGRAPHTEXT;
numeralDate.textItem.justification = Justification.CENTER;
numeralDate.textItem.height = 18;

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numeralDate.textItem.width = 24;
numeralDate.textItem.contents = text;

if (first <= 6) {

numeralDate.textItem.position = new Array( (89+(300*x)+(24*m)), (93+(210*y)
+(18*n)));

} else {

numeralDate.textItem.position = new Array( (89+(300*x)+(24*m)), (75+(210*y)
+(18*n)));

}

}

monthName = group.artLayers.add();
monthName.kind = LayerKind.TEXT;
monthName.name = months[currentMonth];
monthName.textItem.color = normalColor;
monthName.textItem.size = 28;
monthName.textItem.kind = TextType.PARAGRAPHTEXT;
monthName.textItem.justification = Justification.RIGHT;
monthName.textItem.height = 35;
monthName.textItem.width = 145;
monthName.textItem.contents = months[currentMonth];
monthName.rotate(-90);
monthName.textItem.position = new Array( (55+(300*x)), (202+(210*y)));

/*app.activeDocument.flatten();*/

}

/* Capa para el año */

yearLayer = doc.artLayers.add();
yearLayer.kind = LayerKind.TEXT;
yearLayer.name = year;
yearLayer.textItem.contents = year;
yearLayer.textItem.size = 72;
yearLayer.textItem.color = highlightColor;
yearLayer.textItem.position = new Array(1050, 730);

/* Línea decorativa*/

line = doc.artLayers.add();
line.name = "Line";
region = Array(Array(80,729), Array(1000, 729), Array(1000, 730), Array(80, 730));
doc.selection.select(region);

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doc.selection.fill(normalColor);  
doc.selection.deselect();
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