w3 Image 1.3

Reference Manual

Dynamic Image Solution

www.dimac.net

Contents

Reference

Image::CreateEmptySurface

Name CreateEmptySurface
Description Creates a surface that is used when drawing.
Type Method
Object Image
Interface

```
VARIANT_BOOL CreateEmptySurface(
      long      iWidth,
      long      iHeight);
```

Parameters

`iWidth` The width of the image to be created.
`iHeight` The height of the image to be created.

Return value: Returns true or false depending if the operation was successful.
Example:

JScript:

```
var imageobj=Server.CreateObject("w3Image.Image");
var test=imageobj.CreateEmpty Surface(100,100);
```

VBScript:

```
Set imageobj=Server.CreateObject("w3Image.Image")
test=imageobj.CreateEmpty Surface(100,100);
```

Image::SetPixel

Name SetPixel
Description Sets a pixel in the image.
Object Image
Type Method
Interface

```
SetPixel(
      long      iX,
      long      iY,
      long      iColor);
```

Parameters

`iX` Specifies the x-coordinate to be set.
`iY` Specifies the y-coordinate to be set.
iColor Specifies the color used to paint the point.
Return value: <none>
Example:

JScript:

```
imageobj.SetPixel(10,10,0xFF0000);
```

VBScript:

```
imageobj.SetPixel 10,10,&H00FF0000&
```

Image::GetPixel

Name GetPixel
Description Gets a pixel in the image.
Object Image
Type Method
Interface

```
long GetPixel(
            long  iX,
            long  iY);
```

Parameters

`iX` Specifies the x-coordinate to be examined.
`iY` Specifies the y-coordinate to be examined.

Return value: Retrevies the RGB value of the pixel at the point specified by x and y.

Example:

JScript:

```
var color = imageobj.GetPixel(10,10);
```

VBScript:

```
color = imageobj.GetPixel(10,10)
```

Image::DrawLine

Name DrawLine
Description Draws a line between two points in the image.
Uses the selected pen object to perform the operation.
Object Image
Type Method
Interface

```
DrawLine(
      long iX1,
      long iY1,
      long iX2,
      long iY2);
```

Parameters

`iX1` Specifies the x-coordinate of the start point.
`iY1` Specifies the y-coordinate of the start point.
`iX2` Specifies x-coordinate of the end point.
`iY2` Specifies y-coordinate of the end point.

Return value: <none>
Example:

JScrpt:

```
imageobj.DrawLine(10,10,100,100);
```

VBScrpt:

```
imageobj.DrawLine 10,10,100,100
```

Image::DrawEllipse

Name DrawEllipse

Description Draws an ellipse from the coordinates of the upper-left corner to the lower-right corner of the ellipse's bounding rectangle. Uses the selected pen and brush object to perform the operation.

Object Image

Type Method

Interface

```
DrawEllipse(
            long iLeft,
            long iTop,
            long iRight,
            long iBottom);
```

Parameters

`iLeft`	Specifies the left edge coordinate of the ellipse.
`iTop`	Specifies the top edge coordinate of the ellipse.
`iRight`	Specifies the right edge coordinate of the ellipse.
`iBottom`	Specifies the bottom edge coordinate of the ellipse.

Return value: <none>

Example:

JScript:
```
imageobj.DrawEllipse(10,10,100,100);
```

VBScript:
```
imageobj.DrawEllipse 10,10,100,100
```

Image::DrawRect

Name DrawRect

Description Draws a rectangle from the coordinates of the upper-left corner to the lower-right corner of the rectangle. Uses the selected pen and brush object to perform the operation.

Object Image

Type Method

Interface

```
DrawRect(
      long iLeft,
      long iTop,
      long iRight,
      long iBottom);
```

Parameters

`iLeft`	Specifies the left edge coordinate of the rectangle.
`iTop`	Specifies the top edge coordinate of the rectangle.
`iRight`	Specifies the right edge coordinate of the rectangle.
`iBottom`	Specifies the bottom edge coordinate of the rectangle.

Return value: <none>

Example:

JScript:
```
imageobj.DrawRect(10,10,100,100);
```

VBScript:
```
imageobj.DrawRect 10,10,100,100
```

Image::DrawText

Name DrawText
Description Draws a text with help of the selected font and the coordinates.
Object Image
Type Method
Interface

```
DrawText(   BSTR bstrText,
            long iLeft,
            long iTop);
```

Parameters

`bstrText` Specifies the text to draw.
`iLeft` Specifies the left edge coordinate of the text.
`iTop` Specifies the top edge coordinate of the text.

Return value: <none>
Example:

JScript:
```
imageobj.DrawText("Apa",10,10);
```
VBScript:
```
imageobj.DrawText "Apa",10,10
```

Image::CreatePen

Name CreatePen
Description Creates a pen object to use for drawing methods.
Object Image
Type Method
Interface

```
IUnknown* = CreatePen(
            VARIANT   vtStyle,
            long      iWidth,
            long      iColor);
```

Parameters

`vtStyle` Specifies the style to use when drawing.
(**0** or "**solid**") - The pen is solid.
(**1** or "**dash**") - The pen is dashed. This style is valid only when the pen width is one.
(**2** or "**dot**") - The pen is dotted. This style is valid only when the pen width is one.
(**3** or "**dashdot**") - The pen has alternating dashes and dots. This style is valid only when the pen width is one.
(4 or "**dashdotdot**") - The pen has alternating dashes and double dots. This style is valid only when the pen width is one or less in device units.
(**5** or "**invisible**") - The pen is invisible.

`iWidth` Specifies the width of the pen.
`iColor` Specifies the color value of the pen.

Return value: Returns a pen object.
Example:

JScript:
```
var penobj = imageobj.CreatePen("solid",1, 0x0000FF);
```
VBScript:
```
Set penobj = imageobj.CreatePen("solid",1, &H000000FF&
```

Image::CreateSolidBrush

Name	CreateSolidBrush
Description	Creates a brush object to use for drawing methods.
Object	Image
Type	Method
Interface	`IUnknown* = CreateSolidBrush(` `long iColor);`
Parameters	
iColor	Specifies the color value of the brush.
Return value:	Returns a brush object.
Example:	
JScript:	`var brushobj = imageobj.CreateSolidBrush(0x00FF00);`
VBScript:	`Set brushobj = imageobj.CreateSolidBrush(&H0000FF00&)`

Image::CreateFont

Name CreateFont
Description Creates a font object to use for text methods.
Object Image
Type Method
Interface

```
IUnknown* = CreateFont(
            BSTR            bstrName,
            long            iHeight,
            long            iWidth,
            VARIANT         vtWeight,
            long            iOrientation,
            long            iFontColor,
            VARIANT_BOOL    bItalic,
            VARIANT_BOOL    bUnderlined,
            VARIANT_BOOL    bAntiAliasing);
```

Parameters

`bstrName` Specifies the face name of the font.

`iHeight` Specifies the height of the font.

`iWidth` Specifies the width of the font. If zero is specified then the default width value is used. This value is relative to the height.

`iWeight` Specifies the font weight to be used.

(**0** or "**dontcare**") - Don't care
(**1** or "**thin**") - Thin
(**2** or "**extralight**") - Extra light
(**3** or "**light**") - Light
(**4** or "**normal**") - Normal
(**5** or "**medium**") - Medium
(**6** or "**semibold**") - Semi bold
(**7** or "**bold**") - Bold
(**8** or "**extrabold**") - Extra bold
(**9** or "**heavy**") - Heavy

`iOrientation` Specifies the orientation of the font (0 - 3599).

`iFontColor` Specifies the font color.

`bItalic` Specifies if the font should be italicised.

`bUnderlined` Specifies if the font should be underlined.

`bAntiAliasing` Specifies if the font should be antialiased (not always possible).

Return value: Returns a font object.

Example:

JScript:

```
var fontobj = imageobj.CreateFont("Wingdings", 25,
0,"normal", 0, 0xFFFF00, false, false, false);
```

VBScript:

```
Set fontobj = imageobj.CreateFont("Wingdings", 25,
0,"normal", 0, &H00FFFF00&, false, false, false)
```

Image::SetPen

Name SetPen
Description Select a pen object to use for drawing methods.
Object Image
Type Method
Interface
```
SetPen (
                IUnknown*  pPen);
```
Parameters
`pPen` Specifies the pen object to be selected.
iColor
Return value: <none>
Example:
JScript:
```
imageobj.SetPen(penobj);
```
VBScript:
```
imageobj.SetPen penobj
```

Image::SetBrush

Name SetBrush
Description Selects a brush object to use for drawing methods.
Object Image
Type Method
Interface
```
SetBrush(
              IUnknown*  pBrush);
```
Parameters
`pBrush` Specifies the brush object to be selected.
Return value: <none>
Example:
JScript:
```
imageobj.SetBrush(brushobj);
```
VBScript:
```
imageobj.SetBrush brushobj
```

Image::SetFont

Name SetFont
Description Selects a font object to use for text methods.
Object Image
Type Method
Interface
```
SetFont(
              IUnknown*  pFont);
```
Parameters
`pFont` Specifies the font object to be selected.
Return value: <none>
Example:
JScript:
```
Imageobj.SetFont(fontobj);
```
VBScript:
```
Imageobj.SetFont fontobj
```

Image::LoadImage

Name LoadImage
Description Loads an image from file.
Object Image
Type Method
Interface

```
VARIANT_BOOL LoadImage(
                BSRT  bstrFile);
```

Parameters

`bstrFile` Specifies the path and the filename to the file.

Return value: Returns true or false depending if the operation was successfully.

Example:

JScript:

```
var test = imageobj.LoadImage("c:\\temp\\
w3image.jpg");
```

VBScript:

```
test = imageobj.LoadImage("c:\temp\
w3image.jpg")
```

Image::SaveImage

Name SaveImage
Description Saves an image to a file.
Object Image
Type Method
Interface

```
VARIANT_BOOL SaveImage(
                BSTR       bstrFile,
                VARIANT    vtType,
                long       iColorDepth,
                VARIANT    vtParam1,   // Optional
                VARIANT    vtParam2);  // Optional
```

Parameters

`bstrFile` Specifies the path and the filename to the file.

`vtType` Specifies the output format:
(**0** or "**BMP**") - BMP
(**1** or "**JPG**") - JPG
(**2** or "**PNG**") - PNG
(**3** or "**GIF**") - GIF
(**4** or "**TIF**") - TIF
(**5** or "**ICO**") - ICO
(**6** or "**TGA**") - TGA

`iColorDepth` Specifies the colordepth of the output file.

`vtParam1` Specifies the first color description value.
Valid values:
`BSTR` or `long`.

`vtParam2` Specifies an extra optional parameter.

Return value: Returns true or false depending if the operation was successful.

Example:

JScript:

```
var test = imageobj.SaveImage("c:\\temp\\w3image.jpg",
"BMP", 24);
```

VBScript:

```
test = imageobj.SaveImage("c:\temp\w3image.jpg",
"BMP", 24)
```

Image::StreamImage

Name StreamImage
Description Streams image data directly to the client with help of the response object, this to increase the performance of output.
Object Image
Type Method
Interface

```
VARIANT_BOOL StreamImage(
            IUnknown*   pUnkResponse,
            VARIANT     vtType,
            long        iColorDepth
            VARIANT     vtParam1,   // Optional
            VARIANT     vtParam2);  // Optional
```

Parameters

`pUnkResponse` Specifies the response object which should be used to stream the data.
`vtType` Specifies the output format:
(**0** or "**BMP**") - BMP
(**1** or "**JPG**") - JPG
(**2** or "**PNG**") - PNG
(**3** or "**GIF**") - GIF
`IColorDepth` Specifies the colordepth of the output stream.
`vtParam1` Specifies the first color description value.
Valid values:
`BSTR` or `long`.
`vtParam2` Specifies an extra optional parameter.
Return value: Returns true or false depending if the operation was successful.
Example:

JScript:
```
var test = imageobj.StreamImage(Response, "PNG", 8);
```
VBScript:
```
test = imageobj.StreamImage(Response, "PNG", 8)
```

Image::Clone

Name Clone
Description Clones an image object.
Object Image
Type Method
Interface

```
IUnknown** Clone(       );
```

Parameters <none>
Return value: Returns the cloned image object.
Example:

JScript:
```
var imageobj2 = imageobj.Clone();
```
VBScript:
```
imageobj2 = imageobj.Clone
```

Image::FloodFill

Name FloodFill
Description Fills an area in the image with the current selected brush.
Object Image
Type Method
Interface

```
FloodFill(
        long    iX,
        long    iY,
        long    iColor);
```

Parameters

IX	Specifies the x-coordinate of the point where the filling is to start.
IY	Specifies the y-coordinate of the point where the filling is to start.

IColor Specifies the color of the boundary or the area to be filled.
Return value: <none>
Example:

JScript:
```
imageobj.FloodFill(10,10,0xFF0088);
```

VBScript:
```
imageobj.FloodFill 10,10,&HFF0088
```

Image::StretchBlt

Name StretchBlt
Description Blits data from one part of the image to another.
Object Image
Type Method
Interface

```
StretchBlt(
        long      iXDest,
        long      iYDest,
        long      iDestWidth,
        long      iDestHeight,
        long      iXSrc,
        long      iYSrc,
        long      iSrcWidth,
        long      iSrcHeight,
        VARIANT   vtRasterOperation);
```

Parameters

`iXDest` Specifies the x-coordinate of the upper-left corner of the destination rectangle.

`iYDest` Specifies the y-coordinate of the upper-left corner of the destination rectangle.

`iDestWidth` Specifies the width of the destination rectangle.

`iDestHeight` Specifies the height of the destination rectangle.

`iXSrc` Specifies the x-coordinate of the upper-left corner of the source rectangle.

`iYSrc` Specifies the y-coordinate of the upper-left corner of the source rectangle.

`iSrcWidth` Specifies the width of the source rectangle.

`iSrcHeight` Specifies the height of the source rectangle.

`vtRaster-Operation` Specifies the raster operation:

(**1** or "**dstinvert**") - Inverts the destination rectangle.
(**2** or "**notscrcopy**") - Copies the inverted source rectangle to the destination.
(**3** or "**mergepaint**") - Merges the colors of the inverted source rectangle with the colors of the destination rectangle by using the Boolean OR operator.
(**5** or "**notsrcerase**") - Combines the colors of the source and destination rectangles by using the Boolean OR operator and then inverts the resultant color.
(**9** or "**srcand**") - Combines the colors of the source and destination rectangles by using the Boolean AND operator.
(**10** or "**srccopy**") - Copies the source rectangle directly to the destination rectangle.
(**11** or "**srcerase**") - Combines the inverted colors of the destination rectangle with the colors of the source rectangle by using the Boolean AND operator.
(**12** or "**srcinvert**") - Combines the colors of the source and destination rectangles by using the Boolean XOR operator.
(**13** or "**srcpaint**") - Combines the colors of the source and destination rectangles by using the Boolean OR operator.

Return value: <none>
Example:
JScript:

```
Imageobj.StretchBlt
(10,10,20,20,40,40,20,20,"srccopy");
```

VBScript:

```
Imageobj.StretchBlt
10,10,20,20,40,40,20,20,”srccopy”
```

Image::StretchBltExt

Name StretchBltExt
Description Blits data from one object into another.
Object Image
Type Method
Interface

```
StretchBltExt(
     IUnknown*   pUnkDest,
     long        iXDest,
     long        iYDest,
     long        iDestWidth,
     long        iDestHeight,
     long        iXSrc,
     long        iYSrc,
     long        iSrcWidth,
     long        iSrcHeight,
     VARIANT   vtRasterOperation   // Optional
     VARIANT vtAlpha);             // Optional
```

Parameters

`pUnkDest` Specifies the destination object which the data should be blitted.

`iXDest` Specifies the x-coordinate of the upper-left corner of the destination rectangle.

`iYDest` Specifies the y-coordinate of the upper-left corner of the destination rectangle.

`iDestWidth` Specifies the width of the destination rectangle.

`iDestHeight` Specifies the height of the destination rectangle.

`iXSrc` Specifies the x-coordinate of the upper-left corner of the source rectangle.

`iYSrc` Specifies the y-coordinate of the upper-left corner of the source rectangle.

`iSrcWidth` Specifies the width of the source rectangle.

`iSrcHeight` Specifies the height of the source rectangle.

`vtRaster-Operation` Specifies the raster operation:

(**1** or "**dstinvert**") - Inverts the destination rectangle.
(**2** or "**notscrcopy**") - Copies the inverted source rectangle to the destination.
(**3** or "**mergepaint**") - Merges the colors of the inverted source rectangle with the colors of the destination rectangle by using the Boolean OR operator.
(**5** or "**notsrcerase**") - Combines the colors of the source and destination rectangles by using the Boolean OR operator and then inverts the resultant color.
(**9** or "**srcand**") - Combines the colors of the source and destination rectangles by using the Boolean AND operator.
(**10** or "**srccopy**") - Copies the source rectangle directly to the destination rectangle.
(**11** or "**srcerase**") - Combines the inverted colors of the destination rectangle with the colors of the source rectangle by using the Boolean AND operator.
(**12** or "**srcinvert**") - Combines the colors of the source and destination rectangles by using the Boolean XOR operator.
(**13** or "**srcpaint**") - Combines the colors of the source and destination rectangles by using the Boolean OR operator.

(**15** or "**transparent**") - Merges the source and the destination rectangle. This by using the background color as the transparent color in the source image (bkColor).
The background mode is here ignored (bkMode).
(**16** or "**alpha**") - Merges the source and destinationen rectangle using the alpha value (0 - 255).
(**17** or "**alphatransparent**") - Combination of the transparent and alpha blit operation. Useful e.g. when merging a logotype into an image. ***1.3***

`vtAlpha` Specifies the alpha value (0-255) used when performing an alpha blending operation

Return value: <none>

Example:

JScript:
```
imageobj.StretchBltExt(destobj,10,10,20,20,10,10,
30,30,9);
```

VBScript:
```
imageobj.StretchBltExt destobj,10,10,20,20,10,10,
30,30,9
```

Image::Crop

Name Crop
Description Crops the image to the rectangle specified.
Object Image
Type Method
Interface

```
Crop(
        long      iLeft,
        long      iTop,
        long      iWidth,
        long      iHeight);
```

Parameters

`ILeft`	Specifies the upper-left corner of the rectangle.
`ITop`	Specifies the top of the rectangle.
`iWidth`	Specifies the width of the rectangle.
`iHeight`	Specifies the height of the rectangle.

Return value: <none>
Example:

JScript:
```
imageobj.Crop(10,10, 100,100);
```
VBScript:
```
imageobj.Crop 10,10, 100,100
```

Image::Scale/Image::ScaleImage(Visual Basic)

Name Scale
Description Scales the image by a percent value.
Object Image
Type Method
Interface

```
Scale(
            VARIANT vtVal
            VARIANT vtInterPolate);       // Optional
```

Parameters

`vtVal` Specifies the scale factor in percent.

`vtInter-Polate` Specifies the interpolation method, this is an optional parameter.

(**0** or "**nearest**") - Nearest Neighbour.
(**1** or "**linear**") - Linear.
(**2** or "**cubic**") - Cubic.
(**4** or "**super**") - Super Sampling. May be used when the saved image is smaller than the original image.

Return value: <none>
Example:

JScript:
```
Imageobj.Scale(200.0); //200 %
```
VBScript:
```
Imageobj.Scale 200.0
```

Image::Stretch

Name Stretch
Description Stretches the image.
Object Image
Type Method
Interface

```
Stretch(
            long    iWidth,
            long    iHeight
            VARIANT vtInterPolate); // Optional
```

Parameters

`iWidth` Specifies the new width of the image.
`iHeight` Specifies the new height of the image.
`vtInterPolate` Specifies the interpolation method, this is an optional parameter:
(**0** or "**nearest**") - Nearest Neighbour.
(**1** or "**linear**") - Linear.
(**2** or "**cubic**") - Cubic.
(**4** or "**super**") - Super Sampling. May be used when the saved image is smaller than the original image.

Return value: <none>
Example:

JScript:
```
Imageobj.Stretch(200, 300,"linear") ;
```
VBScript:
```
Imageobj.Stretch 200, 300, "linear"
```

Image::Rotate

Name Rotate
Description Rotates the image.
Object Image
Type Method
Interface

```
Rotate(
            VARIANT vtAngle,
            long    iXCenter,
            long    iYCenter,
            VARIANT vtInterPolate); // Optional
```

Parameters

`vtAngle` Specifies the rotation angle.
`iXCenter` Specifies the rotation point for the x-coordinate.
`iYCenter` Specifies the rotation point for the y-coordinate.
`vtInterPolate` Specifies the interpolation method, this is an optional parameter.
(**0** or "**nearest**") - Nearest Neighbour.
(**1** or "**linear**") - Linear.
(**2** or "**cubic**") - Cubic.
(**5** or "**smoothnearest**") - Smooth edge in combination with the Nearest Neighbour algorithm.
(**6** or "**smoothlinear**") - Smooth edge in combination with the Linear algorithm.
(**7** or "**smoothcubic**") - Smooth edge in combination with the Cubic algorithm.

Return value: <none>
Example:

JScript:
```
imageobj.Rotate(37.5,0,0,"smooth");
```
VBScript:
```
imageobj.Rotate 37.5,0,0,"smooth"
```

Image::Flip

Name Flip
Description Flips the image.
Object Image
Type Method
Interface
```
Flip(
            long vtFlag);
```
Parameters

`vtFlag` Specifies if the image should be flipped vertical, horizontal or both:
(**0** or "**nearest**") - Both
(**1** or "**vertical**") - Vertical
(**2** or "**horizontal**") - Horizontal

Return value: <none>.
Example:

JScript:
```
imageobj.Flip("vertical");
```
VBScript:
```
imageobj.Flip "vertical"
```

Image::GetTextHeight

Name GetTextHeight
Description Returns the height in pixels of a specified text.
Object Image
Type Method
Interface
```
long* GetTextHeight(
     BSTR bstrText);
```
Parameters

`bstrText` Specifies the text to be calculated.
Return value: Returns the height of the text.
Example:

JScript:
```
var height = GetTextHeight("Apa");
```
VBScript:
```
height = GetTextHeight("Apa")
```

Image::GetTextWidth

Name GetTextWidth
Description Returns the width in pixels of a specified text.
Object Image
Type Method
Interface
```
long* GetTextWidth(
            BSTR bstrText);
```
Parameters

`bstrText` Specifies the text to be calculated.
Return value: Returns the width of the text.
Example:

JScript:
```
var width = GetTextWidth("Apa");
```
VBScript:
```
width = GetTextWidth("Apa")
```

Image::GetFontFamiliesName *1.3*

Name	GetFontFamiliesName
Description	Gets the names of the font families, specified by the index value, i.e. list all available fonts on the host machine. Use this together with getFontFamiliesCount to loop through the fonts.
Object	Image
Type	Method
Interface	`BSTR* bstrName = GetFontFamiliesName(long iIndex);`
Parameters	
`iIndex`	Specifies the index value of a font family.
Return value:	Returns the font family name.
Example:	
JScript:	`var name = GetFontFamiliesName(10);`
VBScript:	`name = GetFontFamiliesName(10)`

Image::LockMemory (IDataLock interface) *1.3*

Name	LockMemory
Description	Locks and gives access (low level access) to the memory of the image object. The IDataLock inteface is only visible in low level languages, such as C, C++.
Object	Image
Type	Method
Interface	`LockMemory(DWORD* pcbBytes, void** ppBytes);`
Parameters	
`pcbBytes`	Specifies the total amount of memory bytes of the image.
`ppBytes`	Specifies the low level access memory pointer.
Return value:	<none>
Example:	
JScript:	`<not available>`
VBScript:	`<not available>`

Image::UnlockMemory (IDataLock interface) *1.3*

Name	UnlockMemory
Description	Unlocks the memory of the image object.
Object	Image
Type	Method
Interface	`UnlockMemory();`
Parameters	<none>
Return value:	<none>
Example:	
JScript:	`<not available>`
VBScript:	`<not available>`

Image::getFontFamiliesCount *1.3*

Name getFontFamiliesCount
Description Counts the total amount of available fonts. See also GetFontFamiliesName.
Object Image
Interface
```
long getFontFamiliesCount;
```
Type Property (Get)
Example:
JScript:
```
var count = imageobj.getFontFamiliesCount;
```
VBScript:
```
count = imageobj.getFontFamiliesCount
```

Image::width

Name width
Description The width of the image.
Object Image
Interface
```
long width;
```
Type Property (Get)
Example:
JScript:
```
var width = imageobj.width;
```
VBScript:
```
width = imageobj.width
```

Image::height

Name height
Description The height of the image.
Object Image
Interface
```
long height;
```
Type Property (Get)
Example:
JScript:
```
var height = imageobj.height;
```
VBScript:
```
height = imageobj.height
```

Image::bkColor/bkColour

Name bkColor/bkColour
Description The background image color. When generating transparent PNG or GIF images, this color will be used as the transparent color.
Object Image
Interface
```
long bkColor;
```
Type Property (Set/Get)
Example:

JScript:
```
imageobj.bkColor = 0x8800FF;
```
VBScript:
```
imageobj.bkColor = &H008800FF&
```

Image::bkMode

Name bkMode
Description The background mode. If this mode is set to transparent, and a GIF or PNG is generated, the color specified in bkColor will be used as transparent.

(**0**) **Opaque**
(**1**) **Transparent**

Object Image
Interface
```
long bkMode;
```
Type Property (Set/Get)
Example:

JScript:
```
imageobj.bkMode = 1;
```
VBScript:
```
imageobj.bkMode = 1
```

Pen::width

Name width
Description The width of the pen.
Object Pen
Interface
```
long width;
```
Type Property (Get)
Example:

JScript:
```
var width = penobj.width;
```
VBScript:
```
width = penobj.width
```

Pen::color/colour

Name color/colour
Description The color value of the pen.
Object Pen
Interface
```
long color;
```
Type Property (Get)
Example:

JScript:
```
var color = penobj.color;
```
VBScript:
```
color = penobj.color
```

Pen::style

Name style
Description The style of the pen.
Object Pen
Interface
```
long style;
```
Type Property (Get)
Example:
JScript:
```
var style = penobj.style;
```
VBScript:
```
style = penobj.style
```

Brush::color/colour

Name color
Description The color value of the brush.
Object Brush
Interface
```
long color;
```
Type Property (Get)
Example:
JScript:
```
var color = brushobj.color;
```
VBScript:
```
color = brushobj.color
```

Font::name

Name name
Description The face name of the font.
Object Font
Interface
```
BSTR name;
```
Type Property (Get)
Example:
JScript:
```
var facename = fontobj.name;
```
VBScript:
```
facename = fontobj.name
```

Font::height

Name height
Description The height in pixels of the font.
Object Font
Interface
```
long height;
```
Type Property (Get)
Example:
JScript:
```
height = fontobj.height
```
VBScript:
```
var height = fontobj.height;
```

Font::width

Name width
Description The width in pixels of the font.
Object Font
Interface
```
long width;
```
Type Property (Get)
Example:
JScript:
```
var width = fontobj.width;
```
VBScript:
```
width = fontobj.width
```

Font::weight

Name weight
Description The font weight.
Object Font
Interface
```
long weight;
```
Type Property (Get)
Example:
JScript:
```
var weight = fontobj.weight;
```
VBScript:
```
weight = fontobj.weight
```

Font::orientation

Name orientation
Description The orientation of the font.
Object Font
Interface
```
long orientation;
```
Type Property (Get)
Example:
JScript:
```
var orientation = fontobj.orientation;
```
VBScript:
```
orientation = fontobj.orientation
```

Font::color/colour

Name color/colour
Description The font color.
Object Font
Interface
```
long color;
```
Type Property (Get)
Example:
JScript:
```
var color = fontobj.color;
```
VBScript:
```
color = fontobj.color
```

Font::italic

Name italic
Description Specified if the font is italicised.
Object Font
Interface
```
VARIANT_BOOL italic;
```
Type Property (Get)
Example:
JScript:
```
var isItalic = fontobj.italic;
```
VBScript:
```
isItalic = fontobj.italic
```

Font::underlined

Name underlined
Description Specified if the font is underlined.
Object Font
Interface
```
VARIANT_BOOL underlined;
```
Type Property (Get)
Example:
JScript:
```
var isUnderlined = fontobj.underlined;
```
VBScript:
```
isUnderlined = fontobj.underlined
```

Font::antialiasing

Name antialiasing
Description Specified if the font should be antialiased if possible.
Object Font
Interface
```
VARIANT_BOOL antialiasing;
```
Type Property (Get)
Example:
JScript:
```
var isAntialised = fontobj.antialiasing;
```
VBScript:
```
isAntialised = fontobj.antialiasing
```

Font::kerningpairscount

Name kerningpairscount
Description Gets the number of kerningpairs.
Object Font
Interface
```
long kerningpairscount;
```
Type Property (Get)
Example:
JScript:
```
var count = fontobj.kerningpairscount;
```
VBScript:
```
count = fontobj.kerningpairscount
```

Font::GetKernAmount

Name GetKernAmount
Description Returns the kerning amount for the specified kerningpair.
Object Font
Type Method
Interface
```
long* GetKernAmount(long iIndex);
```
Parameters
iIndex Specifies the kerning index.
Return value: The kerningpair amount.
Example:
JScript:
```
var value = fontobj.GetKernAmount(0);
```
VBScript:
```
value = fontobj.GetKernAmount(0)
```

Font::GetFirstKernChar

Name GetFirstKernChar
Description Returns the first kerningpair character.
Object Font
Type Method
Interface
```
BSTR* GetFirstKernChar(
            long iIndex);
```
Parameters
iIndex Specifies the kerning index.
Return value: The kerningpair character.
Example:
JScript:
```
var first = fontobj.GetFirstKernChar(0);
```
VBScript:
```
first = fontobj.GetFirstKernChar(0)
```

Font::GetSecondKernChar

Name GetSecondKernChar
Description Returns the second kerningpair character.
Object Font
Type Method
Interface
```
BSTR* GeSecondKernChar(
            long iIndex);
```
Parameters
iIndex Specifies the kerning index.
Return value: The kerningpair character.
Example:
JScript:
```
var second = fontobj.GetSecondKernChar(0);
```
VBScript:
```
second = fontobj.GetSecondKernChar(0)
```

Image::CreateColor/CreateColour

Name CreateColor/CreateColour
Description Creates a color object.
Object Image
Type Method
Interface

```
IUnknown** = CreateColor(
                    VARIANT vtParam);
```

Parameters
vtParam1 Specifies the first color description value.
Valid values:

```
BSTR or long.
```

Return value: The color object.
Example:

JScript:

Example1(webcolorname):

```
colorobj = imageobj.CreateColor("black");
```

Example2 (webcolor):

```
colorobj = imageobj.CreateColor("#A4F012");
```

VBScript:

Example1(webcolorname):

```
Set colorobj = imageobj.CreateColor("black")
```

Example2 (webcolor):

```
Set colorobj = imageobj.CreateColor("#A4F012")
```

Color::value (default in interface)

Name value
Description The colorvalue.
Object Color
Interface
```
long value;
```
Type Property (Get/Set)
Example:

JScript:

Example1:
```
var value = colorobj.value;
```

Example2:
```
var fontobj = imageobj.CreateFont("Wingdings", 25, 0,
"normal", 0, imageobj.CreateColor("snow").value,
false, false, false);
```

Example3 (use it directly):
```
fontobj = imageobj.CreateFont("Wingdings",
 25, 0, "normal", 0, imageobj.CreateColor("coral"),
false, false, false);
```

VBScript:

Example 1:
```
value = colorobj.value
```
Example 2:
```
Set fontobj = imageobj.CreateFont("Wingdings",
25, 0, "normal", 0, mageobj.CreateColor("snow").value,
false, false, false)
```
Example 3 (use it directly):
```
Set fontobj = imageobj.CreateFont("Wingdings", 25, 0,
"normal", 0, imageobj.CreateColor("coral"),
false, false, false)
```

Color::red

Name red
Description The red intensity of the RGB color.
Object Color
Interface
```
long red;
```
Type Property (Get/Set)
Example:
JScript:
```
var red = colorobj.red;
```
VBScript:
```
red = colorobj.red
```

Color::green

Name green
Description The green intensity of the RGB color.
Object Color
Interface
```
long green;
```
Type Property (Get/Set)
Example:
JScript:
```
colorobj.green = 100;
```
VBScript:
```
colorobj.green = 100
```

Color::blue

Name blue
Description The blue intensity of the RGB color.
Object Color
Interface
```
long blue;
```
Type Property (Get/Set)
Example:
JScript:
```
var blue = colorobj.blue;
```
VBScript:
```
blue = colorobj.blue
```

Color::webcolorname/webcolourname

Name webcolorname/webcolourname
Description Specifies the webcolorname.
Object Color
Interface
```
BSTR webcolorname;
```
Type Property (Get/Set)
Example:
JScript:
```
colorobj.webcolorname = “chocolate”;
```
VBScript:
```
colorobj.webcolorname = “chocolate”
```

Color::webcolor/webcolour

Name webcolor/webcolour
Description Specifies the webcolor.
Object Color
Interface
```
BSTR webcolor;
```
Type Property (Get/Set)
Example:

JScript:
```
colorobj.webcolor = "#A312F5";
```
VBScript:
```
colorobj.webcolor = "#A312F5"
```

Image::CreateColorRGB/CreateColourRGB

Name CreateColorRGB/CreateColourRGB
Description Creates a color object.
Object Image
Type Method
Interface
```
IUnknown** = CreateColor(
                    VARIANT vtParam);
```
Parameters

`iRed` Specifies the red intensity value.
`iGreen` Specifies the green intensity value.
`iBlue` Specifies the blue intensity value.
Return value: The color object.

Example:

JScript:
```
var imageobj.CreateColorRGB(0,0,255);
```
VBScript:
```
Set imageobj.CreateColorRGB(0,0,255);
```

Appendix A - Web Color Name

Text	Red, Green, Blue
Aliceblue	0xF0, 0xF8, 0xFF
Antiquewhite	0xFA, 0xEB, 0xD7
Aqua	0x00, 0xFF, 0xFF
Aquamarine	0x7F, 0xFF, 0xD4
Azure	0xF0, 0xFF, 0xFF
Beige	0xF5, 0xF5, 0xDC
Bisque	0xFF, 0xE4, 0xC4
Black	0x00, 0x00, 0x00
Blanchedalmond	0xFF, 0xEB, 0xCD
Blue	0x00, 0x00, 0xFF
Blueviolet	0x8A, 0x2B, 0xE2
Brown	0xA5, 0x2A, 0x2A
Burlywood	0xDE, 0xB8, 0x87
Cadetblue	0x5F, 0x9E, 0xA0
Chartreuse	0x7F, 0xFF, 0x00
Chocolate	0xD2, 0x69, 0x1E
Coral	0xFF, 0x7F, 0x50
Cornflower	0x64, 0x95, 0xED
Cornsilk	0xFF, 0xF8, 0xDC
Crimson	0xDC, 0x14, 0x3C
Cyan	0x00, 0xFF, 0xFF
Darkblue	0x00, 0x00, 0x8B
Darkcyan	0x00, 0x8B, 0x8B
Darkgoldenrod	0xB8, 0x86, 0x0B
Darkgray	0xA9, 0xA9, 0xA9
Darkgreen	0x00, 0x64, 0x00
Darkkhaki	0xBD, 0xB7, 0x6B
Darkmagenta	0x8B, 0x00, 0x8B
Darkolivegreen	0x55, 0x6B, 0x2F
Darkorange	0xFF, 0x8C, 0x00
Darkorchid	0x99, 0x32, 0xCC
Darkred	0x8B, 0x00, 0x00
Darksalmon	0xE9, 0x96, 0x7A
Darkseagreen	0x8F, 0xBC, 0x8B
Darkslateblue	0x48, 0x3D, 0x8B
Darkslategray	0x2F, 0x4F, 0x4F
Darkturquoise	0x00, 0xCE, 0xD1
Darkviolet	0x94, 0x00, 0xD3
Deeppink	0xFF, 0x14, 0x93
Deepskyblue	0x00, 0xBF, 0xFF
Dimgray	0x69, 0x69, 0x69
Dodgerblue	0x1E, 0x90, 0xFF
Firebrick	0xB2, 0x22, 0x22
Foralwhite	0xFF, 0xFA, 0xF0
Forestgreen	0x22, 0x8B, 0x22
Fuchsia	0xFF, 0x00, 0xFF
Gainsboro	0xDC, 0xDC, 0xDC
Ghostwhite	0xF8, 0xF8, 0xFF
Gold	0xFF, 0xD7, 0x00
Goldenrod	0xDA, 0xA5, 0x20
Gray	0x80, 0x80, 0x80
Green	0x00, 0x80, 0x00

Greenyellow	0xAD, 0xFF, 0x2F
Honeydew	0xF0, 0xFF, 0xF0
Hotpink	0xFF, 0x69, 0xB4
Indianred	0xCD, 0x5C, 0x5C
Indigo	0x4B, 0x00, 0x82
Ivory	0xFF, 0xFF, 0xF0
Khaki	0xF0, 0xE6, 0x8C
Lavender	0xE6, 0xE6, 0xFA
Lavenderblush	0xFF, 0xF0, 0xF5
Lawngreen	0x7C, 0xFC, 0x00
Lemonchiffon	0xFF, 0xFA, 0xCD
Lightblue	0xAD, 0xD8, 0xE6
Lightcoral	0xF0, 0x80, 0x80
Lightcyan	0xE0, 0xFF, 0xFF
Lightgoldenrodyellow	0xFA, 0xFA, 0xD2
Lightgreen	0x90, 0xEE, 0x90
Lightgrey	0xD3, 0xD3, 0xD3
Lightpink	0xFF, 0xB6, 0xC1
Lightsalmon	0xFF, 0xA0, 0x7A
Lightseagreen	0x20, 0xB2, 0xAA
Lightskyblue	0x87, 0xCE, 0xFA
Lightslategray	0x77, 0x88, 0x99
Lightsteelblue	0xB0, 0xC4, 0xDE
Lightyellow	0xFF, 0xFF, 0xE0
Lime	0x00, 0xFF, 0x00
Limegreen	0x32, 0xCD, 0x32
Linen	0xFA, 0xF0, 0xE6
Magenta	0xFF, 0x00, 0xFF
Maroon	0x80, 0x00, 0x00
Mediumaquamarine	0x66, 0xCD, 0xAA
Mediumblue	0x00, 0x00, 0xCD
Mediumorchid	0xBA, 0x55, 0xD3
Mediumpurple	0x93, 0x70, 0xDB
Mediumseagreen	0x3C, 0xB3, 0x71
Mediumslateblue	0x7B, 0x68, 0xEE
Mediumspringgreen	0x00, 0xFA, 0x9A
Mediumturquoise	0x48, 0xD1, 0xCC
Mediumvioletred	0xC7, 0x15, 0x85
Midnightblue	0x19, 0x19, 0x70
Mintcream	0xF5, 0xFF, 0xFA
Mistyrose	0xFF, 0xE4, 0xE1
Moccasin	0xFF, 0xE4, 0xB5
Navajowhite	0xFF, 0xDE, 0xAD
Navy	0x00, 0x00, 0x80
Oldlace	0xFD, 0xF5, 0xE6
Olive	0x80, 0x80, 0x00
Olivedrab	0x6B, 0x8E, 0x23
Orange	0xFF, 0xA5, 0x00
Orangered	0xFF, 0x45, 0x00
Orchid	0xDA, 0x70, 0xD6
Palegoldenrod	0xEE, 0xE8, 0xAA
Palegreen	0x98, 0xFB, 0x98
Paleturquoise	0xAF, 0xEE, 0xEE
Palevioletred	0xDB, 0x70, 0x93
Papayawhip	0xFF, 0xEF, 0xD5
Peachpuff	0xFF, 0xDA, 0xB9
Peru	0xCD, 0x85, 0x3F
Pink	0xFF, 0xC0, 0xCB
Plum	0xDD, 0xA0, 0xDD

Powderblue	0xB0, 0xE0, 0xE6
Purple	0x80, 0x00, 0x80
Red	0xFF, 0x00, 0x00
Rosybrown	0xBC, 0x8F, 0x8F
Royalblue	0x41, 0x69, 0xE1
Saddlebrown	0x8B, 0x45, 0x13
Salmon	0xFA, 0x80, 0x72
Sandybrown	0xF4, 0xA4, 0x60
Seagreen	0x2E, 0x8B, 0x57
Seashell	0xFF, 0xF5, 0xEE
Sienna	0xA0, 0x52, 0x2D
Silver	0xC0, 0xC0, 0xC0
Skyblue	0x87, 0xCE, 0xEB
Slateblue	0x6A, 0x5A, 0xCD
Slategray	0x70, 0x80, 0x90
Snow	0xFF, 0xFA, 0xFA
Springgreen	0x00, 0xFF, 0x7F
Steelblue	0x46, 0x82, 0xB4
Tan	0xD2, 0xB4, 0x8C
Teal	0x00, 0x80, 0x80
Thistle	0xD8, 0xBF, 0xD8
Tomato	0xFF, 0x63, 0x47
Turquoise	0x40, 0xE0, 0xD0
Violet	0xEE, 0x82, 0xEE
Wheat	0xF5, 0xDE, 0xB3
White	0xFF, 0xFF, 0xFF
Whitesmoke	0xF5, 0xF5, 0xF5
Yellow	0xFF, 0xFF, 0x00
Yellowgreen	0x9A, 0xCD, 0x32

Appendix B - Image Formats

Format	Bitdepth	Save	Stream	Load	Transparency
BMP					
	1	x	x	x	
	4	x	x	x	
	8	x	x	x	
	24	x	x	x	
GIF					
	1	x	x	x	x
	4	x	x	x	x
	8	x	x	x	x
PNG					
	1	x	x	x	x
	4	x	x	x	x
	8	x	x	x	x
	24*			x	
	32	x	x	x	x
JPG					
	24	x	x	x	
ICO					
	1	x		x	
	4	x		x	
	8	x		x	
TGA					
	8	x		x	
	24	x		x	
TIFF					
	1	x		x	
	4	x		x	
	8	x		x	
	24	x		x	

* If a 24 bit color depth is defined, the image will be saved/streamed as a 32 bit image.