#### imagedata (Image Data)

This element is used to draw an [image](image.docx) that has been loaded from an external source. There is an implied rectangle that is the same size as the image. Any [stroke](stroke.docx) or [fill](fill.docx) is applied to this implied rectangle.  The [stroke](stroke.docx) is drawn on top of the image.  The [fill](fill.docx) is behind the [image](image.docx) and therefore only visible through transparent areas of the image. Image transparency is either encoded in the file or defined via a color value using the chromakey attribute. Unlike the [image](image.docx) element (§), the imagedata element must have a parent element.

[Example:

<v:[shape](shape.docx) style="position:relative;top:1;left:1;width:50;height:50"

[path](path.docx)="m 0,0 l 1000,0 1000,1000 0,1000 x e" fillcolor="blue">

<v:imagedata src="myimage.gif"/>

</v:[shape](shape.docx)>



end example]

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| --- |
| Parent Elements |
| [arc](arc.docx) (§); [background](background.docx) (§); [curve](curve.docx) (§); [group](group.docx) (§); [image](image.docx) (§); [line](line.docx) (§); object (§); [oval](oval.docx) (§); pict (§); pict (§); [polyline](polyline.docx) (§); [rect](rect.docx) (§); [roundrect](roundrect.docx) (§); shape (§); [shapetype](shapetype.docx) (§) |

|  |  |
| --- | --- |
| Attributes | Description |
| althref (Alternate Image Reference)  Namespace: urn:schemas-microsoft-com:office:office | Defines an alternate reference for an [image](image.docx) in Macintosh PICT format.  [Example:  <v:imagedata ... althref="myimage.pcz" ... >  </v:imagedata>  end example  The possible values for this attribute are defined by the XML Schema string datatype. |
| bilevel (Image Bilevel Toggle) | Specifies that all colors in the picture shall be converted to either 0 or full intensity component values. This converts a color bitmap to 8 colors and a grayscale bitmap to black and white. [Default](Default.docx) is false.  [Example:  <v:[image](image.docx) ... bilevel="true" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| blacklevel (Image Brightness) | Specifies the [image](image.docx) brightness. [Default](Default.docx) is 0.  [Example:  <v:[image](image.docx) ... blacklevel="0.1" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| chromakey (Image Transparency Color) | Specifies a color value that will be transparent and show anything behind the shape. [Default](Default.docx) is no value.  [Example:  <v:[image](image.docx) ... chromakey="white" ...>  </v:[image](image.docx)>  end example]  The possible values for this attribute are defined by the [ST\_ColorType](ST_ColorType.docx) simple type (§). |
| cropbottom (Image Bottom Crop) | Specifies the how much to crop the [image](image.docx) from the bottom up as a fraction of picture size. [Default](Default.docx) is 0. This numeric value may also be specified in 1/65536-ths if a trailing "[f](f.docx)" is supplied. For example, a value of "52429f" represents 52429/65536 or 0.8.  [Example:  <v:[image](image.docx) ... cropbottom="10%" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| cropleft (Image Left Crop) | Specifies how much to crop the [image](image.docx) from the left in as a fraction of picture size. [Default](Default.docx) is 0. This numeric value may also be specified in 1/65536-ths if a trailing "[f](f.docx)" is supplied. For example, a value of "52429f" represents 52429/65536 or 0.8.  [Example:  <v:[image](image.docx) ... cropleft="10%" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| cropright (Image Right Crop) | Specifies how much to crop the [image](image.docx) from the right in as a fraction of picture size. [Default](Default.docx) is 0. This numeric value may also be specified in 1/65536-ths if a trailing "[f](f.docx)" is supplied. For example, a value of "52429f" represents 52429/65536 or 0.8.  [Example:  <v:[image](image.docx) ... cropright="10%" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| croptop (Image Top Crop) | Specifies how much to crop the [image](image.docx) from the top down as a fraction of picture size. [Default](Default.docx) is 0. This numeric value may also be specified in 1/65536-ths if a trailing "[f](f.docx)" is supplied. For example, a value of "52429f" represents 52429/65536 or 0.8.  [Example:  <v:[image](image.docx) ... croptop="10%" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| detectmouseclick (Detect Mouse Click)  Namespace: urn:schemas-microsoft-com:office:office | Specifies whether a mouse click is detected on the [fill](fill.docx) of a shape.  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| embosscolor (Embossed Color) | Specifies the color to use to create an embossed effect in the image. [Default](Default.docx) is no value. This can be set to a percentage of the [shadow](shadow.docx) color to create an embossed picture effect.  The possible values for this attribute are defined by the [ST\_ColorType](ST_ColorType.docx) simple type (§). |
| gain (Image Intensity) | Specifies an adjustment for the intensity of all colors. Essentially sets how bright white will be. [Default](Default.docx) is 1.  [Example:  <v:[image](image.docx) ... gain="0.5" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| gamma (Image Gamma Correction) | Specifies the gamma correction. [Default](Default.docx) is 1.  Gamma correction is a factor by which the intended target display gamma differs from the sRGB profile. It can be used to correct for images not prepared for sRGB displays and to adjust overall [image](image.docx) contrast.  Decreasing it below 1 gives a higher contrast image.  [Example:  <v:[image](image.docx) ... gamma="0.5" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| grayscale (Image Grayscale Toggle) | Specifies to display the [image](image.docx) in grayscale. [Default](Default.docx) is false.  [Example:  <v:[image](image.docx) ... gamma="0.5" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the [ST\_TrueFalse](ST_TrueFalse.docx) simple type (§). |
| href (Explicit Relationship to Hyperlink Target)  Namespace: .../officeDocument/2006/relationships | Specifies the relationship ID of the relationship to the hyperlink used for this [VML](VML.docx) object. The specified relationship shall be of type http://schemas.openxmlformats.org/officeDocument/2006/relationships/[image](image.docx) or the document shall be considered non-conformant.  [Example: The markup specifies the associated relationship part with relationship ID rId10 contains the corresponding relationship information for the [image](image.docx) data:  < ... r:href="rId5" />  end example]  The possible values for this attribute are defined by the [ST\_RelationshipId](ST_RelationshipId.docx) simple type (§). |
| href (Original Image Reference)  Namespace: urn:schemas-microsoft-com:office:office | Specifies the URL to the original [image](image.docx) file. Used only if the picture has been linked and embedded. [Default](Default.docx) is no value.  [Example:  <v:[fill](fill.docx) ... o:href="myimage.gif" ... >  </v:[fill](fill.docx)>  end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| id (Unique Identifier) | Specifies a unique identifier that can be used to reference a [VML](VML.docx) object.  [Default](Default.docx) is no value.  [Example:  <v:shape ... id="myShape" ... >  </v:[shape](shape.docx)>  end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| id (Explicit Relationship to Image Data)  Namespace: .../officeDocument/2006/relationships | Specifies the relationship ID of the relationship to the [image](image.docx) used for this [VML](VML.docx) object. The specified relationship shall be of type http://schemas.openxmlformats.org/officeDocument/2006/relationships/[image](image.docx) or the document shall be considered non-conformant.  [Example: The markup specifies the associated relationship part with relationship ID rId10 contains the corresponding relationship information for the [image](image.docx) data:  < ... r:id="rId10" />  end example]  The possible values for this attribute are defined by the [ST\_RelationshipId](ST_RelationshipId.docx) simple type (§). |
| movie (Movie Reference)  Namespace: urn:schemas-microsoft-com:office:office | Specifies a pointer to a movie image. This is a data block that contains a pointer to a pointer to movie data.  [Example:  <v:imagedata ... o:movie="1434" ...>  </v:imagedata>  end example]  The possible values for this attribute are defined by the XML Schema float datatype. |
| oleid (Image Embedded Object ID)  Namespace: urn:schemas-microsoft-com:office:office | Specifies the embedded object ID of an image.  The possible values for this attribute are defined by the XML Schema float datatype. |
| pict (Explicit Relationship to Alternate Image Data)  Namespace: .../officeDocument/2006/relationships | Specifies the relationship ID of the relationship to an alternate format [image](image.docx) used for this [VML](VML.docx) object. The specified relationship shall be of type http://schemas.openxmlformats.org/officeDocument/2006/relationships/[image](image.docx) or the document shall be considered non-conformant.  If this attribute is specified, the application should attempt to display the [image](image.docx) defined by the relationship. If the application cannot display the format of that [image](image.docx), the r:id attribute is used.  [Example: The markup specifies the associated relationship part with relationship ID rId7 contains the corresponding relationship information for the [image](image.docx) data. The relationship part with relationship ID rId10 is used if the application cannot display the [image](image.docx) referenced by rId7.:  < ... r:id="rId10" r:pict="rId7"/>  end example]  The possible values for this attribute are defined by the [ST\_RelationshipId](ST_RelationshipId.docx) simple type (§). |
| recolortarget (Black Recoloring Color) | Specifies the color to which black should be recolored.  [Example:  <v:imagedata r:id="rId4" recolortarget="red">  </v:imagedata>  no recolor  recolortarget="red"  end example]  The possible values for this attribute are defined by the [ST\_ColorType](ST_ColorType.docx) simple type (§). |
| relid (Relationship to Part)  Namespace: urn:schemas-microsoft-com:office:office | Specifies the relationship ID of the relationship to the image. The specified relationship shall be of type http://schemas.openxmlformats.org/officeDocument/2006/relationships/[image](image.docx) or the document shall be considered non-conformant.  [Example: The markup specifies the associated relationship part with relationship ID rId10 contains the corresponding relationship information:  <v:imagedata ... o:relid="rId10" ...>  </v:imagedata>  end example]  The possible values for this attribute are defined by the [ST\_RelationshipId](ST_RelationshipId.docx) simple type (§). |
| src (Image Source) | Specifies the URL of the [image](image.docx) to use.  [Example:  <v:[image](image.docx) ... src="myimage.gif" ...>  </v:[image](image.docx)>    end example]  The possible values for this attribute are defined by the XML Schema string datatype. |
| title (Image Data Title)  Namespace: urn:schemas-microsoft-com:office:office | Specifies the title of an embedded image. This is typically set to the comment property of the [image](image.docx), which is often blank.  [Example:  <v:[fill](fill.docx) ... o:title="alt text" ... >  </v:[fill](fill.docx)>  end example]  The possible values for this attribute are defined by the XML Schema string datatype. |

The following XML Schema fragment defines the contents of this element:

<complexType name="CT\_ImageData">

<attributeGroup ref="AG\_Id"/>

<attributeGroup ref="AG\_ImageAttributes"/>

<attributeGroup ref="AG\_Chromakey"/>

<attribute name="embosscolor" type="[ST\_ColorType](ST_ColorType.docx)" use="optional"/>

<attribute name="recolortarget" type="[ST\_ColorType](ST_ColorType.docx)"/>

<attribute ref="o:href"/>

<attribute ref="o:althref"/>

<attribute ref="o:title"/>

<attribute ref="o:oleid"/>

<attribute ref="o:detectmouseclick"/>

<attribute ref="o:movie"/>

<attribute ref="o:relid"/>

<attribute ref="r:id"/>

<attribute ref="r:pict"/>

<attribute ref="r:href"/>

</complexType>