### background (Document Background)

This element specifies the background information for this document. This background shall be displayed on all pages of the document, behind all other document content.

The child elements of the background element are in the Vector Markup Language (VML) namespace, which allows any valid VML [effect](effect.docx) to be applied to the document's background.

For solid [color](color.docx) fill backgrounds, however, the attributes on this element allow for the specification of use of any valid RGB or theme [color](color.docx) value (the latter a reference to the document's themes part).

[Example: Consider a document which utilizes a gradient fill background moving [between](between.docx) black and the accent5 theme [color](color.docx), as follows:



This background would require the following WordprocessingML markup:

<w:background w:[color](color.docx)="9BBB59" w:themeColor="accent3">

 <v:background [id](id.docx)="\_x0000\_s1025" o:bwmode="white" fillcolor="#9bbb59 [3206]" o:targetscreensize="800,600">

 <v:fill color2="fill darken(118)" method="linear sigma" focus="100%" [type](type.docx)="gradientRadial">

 <o:fill v:ext="[view](view.docx)" [type](type.docx)="gradientCenter" />

 </v:fill>

 </v:background>

</w:background>

The resulting background consists of a single [color](color.docx) fill of the accent3 theme [color](color.docx) from the themeColor attribute, layered under a gradientCenter fill from the fill attribute. end example]

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| Parent Elements |
| document (§); [glossaryDocument](glossaryDocument.docx) (§) |

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| --- | --- |
| Child Elements | Subclause |
| Any element from the urn:schemas-microsoft-com:vml namespace | § |
| Any element from the urn:schemas-microsoft-com:office:office namespace | § |

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| Attributes | Description |
| [color](color.docx) (Background Color) | Specifies the [color](color.docx) for the background of the document.This [color](color.docx) may either be presented as a hex value (in RRGGBB format), or auto to allow a consumer to automatically determine the background [color](color.docx) as appropriate.If the background specifies the use of a theme [color](color.docx) via the themeColor attribute, this value is superseded by the theme [color](color.docx) value.[Example: Consider a border [color](color.docx) with value 2C34FF, as follows:<w:background … w:[color](color.docx)="2C34FF"/>The background [color](color.docx) shall therefore be the [color](color.docx) with an RGB value of 44,52,255 (the decimal decoding of the hex value above). end example]The possible values for this attribute are defined by the [ST\_HexColor](ST_HexColor.docx) simple [type](type.docx) (§). |
| themeColor (Background Theme Color) | Specifies a theme [color](color.docx) to be applied to the current background.The specified theme [color](color.docx) is a reference to one of the predefined theme colors, located in the document's Theme part, which allows [color](color.docx) information to be set centrally in the document.If the [color](color.docx) attribute is specified, its value shall be ignored in favor of the [color](color.docx) resulting from the use of this attribute with any appropriate themeTint and themeShade attribute value calculations applied.[Example: Consider a background configured to use the accent5 theme [color](color.docx), resulting in the following WordprocessingML markup:<w:background w:[color](color.docx)="FFA8A0" w:themeColor="accent5" />The background has a [color](color.docx) with an RGB value of FFA8A0, however, because the themeColor attribute is specified, the RGB [color](color.docx) value is ignored in favor of the accent5 theme [color](color.docx) specified for this document. end example]The possible values for this attribute are defined by the [ST\_ThemeColor](ST_ThemeColor.docx) simple [type](type.docx) (§). |
| themeShade (Border Theme Color Shade) | Specifies the shade value applied to the supplied theme [color](color.docx) (if any) for this background.If the themeShade is supplied, then it is applied to the RGB value of the theme [color](color.docx) (from the theme part) to determine the final [color](color.docx) applied to this border.The themeShade value is stored as a hex [encoding](encoding.docx) of the shade value (from 0–255) applied to the current border.[Example: Consider a shade of 60% applied to a background in a document. This shade is calculated as follows:The resulting themeShade value in the file [format](format.docx) would be 99. end example]Given an RGB [color](color.docx) defined as three hex values in RRGGBB [format](format.docx), the shade is applied as follows:* Convert the [color](color.docx) to the HSL [color](color.docx) [format](format.docx) (values from 0 to 1)
* Modify the luminance factor as follows:
* Convert the resultant HSL [color](color.docx) to RGB

[Example: Consider a document with a background using the accent2 theme [color](color.docx), whose RGB value (in RRGGBB hex format) is C0504D.The equivalent HSL [color](color.docx) value would be. Applying the shade formula with a shade percentage of 75% to the luminance, we get:Taking the resulting HSL [color](color.docx) value of and converting back to RGB, we get 943634.This transformed value can be seen in the resulting background's [color](color.docx) attribute:<w:background w:[color](color.docx)="943634"w:themeColor="accent2" w:themeShade="BF"/>end example]The possible values for this attribute are defined by the [ST\_UcharHexNumber](ST_UcharHexNumber.docx) simple [type](type.docx) (§). |
| themeTint (Border Theme Color Tint) | Specifies the tint value applied to the supplied theme [color](color.docx) (if any) for this background.If the themeTint is supplied, then it is applied to the RGB value of the theme [color](color.docx) (from the theme part) to determine the final [color](color.docx) applied to the document's background.The themeTint value is stored as a hex [encoding](encoding.docx) of the tint value (from 0–255) applied to the current border.[Example: Consider a tint of 60% applied to a border in a document. This tint is calculated as follows:The resulting themeTint value in the file [format](format.docx) would be 66. end example]Given an RGB [color](color.docx) defined as three hex values in RRGGBB [format](format.docx), the shade is applied as follows:* Convert the [color](color.docx) to the HSL [color](color.docx) [format](format.docx) (values from 0 to 1)
* Modify the luminance factor as follows:
* Convert the resultant HSL [color](color.docx) to RGB

[Example: Consider a document with a background using the accent2 theme [color](color.docx), whose RGB value (in RRGGBB hex format) is 4F81BD.The equivalent HSL [color](color.docx) value would be. Applying the tint formula with a tint percentage of 60% to the luminance, we get:Taking the resulting HSL [color](color.docx) value of and converting back to RGB, we get 95B3D7.This transformed value can be seen in the resulting background's [color](color.docx) attribute:<w:background w:[color](color.docx)="95B3D7"w:themeColor="accent2" w:themeTint="99"/>end example]The possible values for this attribute are defined by the [ST\_UcharHexNumber](ST_UcharHexNumber.docx) simple [type](type.docx) (§). |

The following [XML](XML.docx) Schema fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_Background">

 <complexContent>

 <extension base="CT\_PictureBase">

 <attribute [name](name.docx)="[color](color.docx)" [type](type.docx)="[ST\_HexColor](ST_HexColor.docx)" use="optional"/>

 <attribute [name](name.docx)="themeColor" [type](type.docx)="[ST\_ThemeColor](ST_ThemeColor.docx)" use="optional"/>

 <attribute [name](name.docx)="themeTint" [type](type.docx)="[ST\_UcharHexNumber](ST_UcharHexNumber.docx)" use="optional"/>

 <attribute [name](name.docx)="themeShade" [type](type.docx)="[ST\_UcharHexNumber](ST_UcharHexNumber.docx)" use="optional"/>

 </extension>

 </complexContent>

</complexType>