

APPENDIX C

SVG Attributes and Properties Reference

In this reference, you will find all attributes and properties in SVG 1.0 listed in alphabetical order.

In some cases, the same attribute name is used with different meanings and allowed values. To indicate this, the attributes are separated and numbered, for example, 1 (2), meaning attribute one of two.

NOTE

You can find the definition of the SVG 1.0 data types at <http://www.w3.org/TR/SVG/types.html>.

accent-height

Allowed Value

A number value

Parent

font - face

accumulate

Allowed Values

none, sum

Parents

animate, animateColor, animateMotion, animateTransform

additive

Allowed Values

replace, sum

Parents

animate, animateColor, animateMotion, animateTransform

alignment-baseline

Allowed Values

baseline, top, before-edge, text-top, text-before-edge, middle, bottom, after-edge, text-bottom, text-after-edge, ideographic, lower, hanging, mathematical, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

alphabetic

Allowed Value

A number value

Parent

font-face

amplitude

Allowed Value

A number value

Parents

feFuncA, feFuncB, feFuncG, feFuncR

arabic-form

Allowed Values

initial, medial, terminal, isolated

Parent

glyph

ascent

Allowed Value

A number value

Parent

font -face

attributeName

Allowed Value

An attribute name

Parents

animate, animateColor, animateTransform, set

attributeType

Allowed Values

CSS, XML, auto

Parents

animate, animateColor, animateTransform, set

azimuth

Allowed Value

A number value



Parent

feDistantLight

baseFrequency

Allowed Values

A list of one or two positive numbers

Parent

feTurbulence

baseline-shift

Allowed Values

baseline, sub, super, a percentage value, a length value, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

bbox

Allowed Values

Four numbers specifying, in order, lower-left x, lower-left y, upper-right x, upper-right y of bounding box of font

Parent

font-face

begin

Allowed Values

A semicolon-separated list of values

Parents

animate, animateColor, animateMotion, animateTransform, set

bias

Allowed Value

A number value

Parent

`feConvolveMatrix`

by

Allowed Value

A string value

Parents

`animate`, `animateColor`, `animateMotion`, `animateTransform`

calcMode

Parents

`animate`, `animateColor`, `animateMotion`, `animateTransform`

cap-height

Allowed Value

A number value

Parent

`font-face`

class

Allowed Values

A list of class names

Parents

`a`, `altGlyph`, `circle`, `clipPath`, `defs`, `desc`, `ellipse`, `feDiffuseLighting`, `feFlood`, `feImage`, `feSpecularLighting`, `filter`, `font`, `foreignObject`, `g`, `glyph`, `glyphRef`, `image`, `line`,

linearGradient, marker, mask, missing-glyph, path, pattern, polygon, polyline, radialGradient, rect, stop, svg, switch, symbol, text, textPath, title, tref, tspan, use

clip

Allowed Values

A shape, auto, inherit

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, image, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

clip-path

Allowed Values

A URI, none, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

clip-rule

Allowed Values

evenodd, nonzero, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

clipPathUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parent

clipPath

color

Allowed Value

A color value

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feDiffuseLighting, feFlood, feImage, feSpecularLighting, filter, font, foreignObject, g, glyph, image, line, linearGradient, marker, mask, missing-glyph, path, pattern, polygon, polyline, radialGradient, rect, stop, svg, switch, symbol, text, textPath, tref, tspan, use

color-interpolation

Allowed Values

auto, sRGB, linearRGB, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feDiffuseLighting, feFlood, feImage, feSpecularLighting, filter, font, foreignObject, g, glyph, image, line, linearGradient, marker, mask, missing-glyph, path, pattern, polygon, polyline, radialGradient, rect, stop, svg, switch, symbol, text, textPath, tref, tspan, use

color-interpolation-filters

Allowed Values

auto, sRGB, linearRGB, inherit

Parents

a, defs, feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feImage, feMerge, feMorphology, feOffset, feSpecularLighting, feTile, feTurbulence, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

color-profile

Allowed Values

auto, sRGB, a color profile name, a URI, inherit

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, image, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

color-rendering

Allowed Values

auto, optimizeSpeed, optimizeQuality, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feDiffuseLighting, feFlood, feImage, feSpecularLighting, filter, font, foreignObject, g, glyph, image, line, linearGradient, marker, mask, missing-glyph, path, pattern, polygon, polyline, radialGradient, rect, stop svg, switch, symbol, text, textPath, tref, tspan, use

content

Allowed Value

structured text

Parents

desc, foreignObject, title

contentScriptType

Parent

svg

contentType

Parent

svg

cursor

Allowed Values

A URI, auto, crosshair, default, pointer, move, e-resize, ne-resize, nw-resize, n-resize, se-resize, sw-resize, s-resize, w-resize, text, wait, help, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

CX

Allowed Value

A coordinate

Parents

circle, ellipse, radialGradient

cy

Allowed Value

A coordinate

Parents

circle, ellipse, radialGradient

d

Allowed Value

Path data

Parents

glyph, missing-glyph, path

descent

Allowed Value

A number value

Parent

font -face

diffuseConstant

Allowed Value

A number value

Parent

feDiffuseLighting

direction

Allowed Values

ltr, rtl, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

display

Allowed Values

inline, block, list-item, run-in, compact, marker, table, inline-table, table-row-group, table-header-group, table-footer-group, table-row, table-column-group, table-column, table-cell, table-caption, none, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

divisor

Allowed Value

A number value except zero

Parent

feConvolveMatrix

dominant-baseline

Allowed Values

auto, autosense-script, no-change, reset, ideographic, lower, hanging, mathematical, inherit

CAUTION

There is a discrepancy between the SVG 1.0 specification and the SVG 1.0 DTD for this attribute. The values listed here are those specified by the DTD.

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

dur

Allowed Values

Clock-value, media, indefinite

Parents

animate, animateColor, animateMotion, animateTransform, set

dx 1(2)

Allowed Value

A length value

Parents

feOffset, glyphRef

dx 2(2)

Allowed Value

A list of length values

Parents

altGlyph, text, tref, tspan

dy 1(2)

Allowed Value

A length value

Parents

`altGlyph`, `feOffset`, `glyphRef`

dy 2(2)

Allowed Value

A list of length values

Parents

`altGlyph`, `text`, `tref`, `tspan`

edgeMode

Allowed Values

`duplicate`, `wrap`, `none`

Parent

`feConvolveMatrix`

elevation

Allowed Value

A number value

Parent

`feDistantLight`

enable-background

Allowed Values

`accumulate`, `new [x, y, width, height]`, `inherit`

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

end

Allowed Values

end-value-list or end-value, which is one of the following: offset-value, syncbase-value, event-value, repeat-value, accessKey-value, wallclock-sync-value, indefinite

Parents

animate, animateColor, animateMotion, animateTransform, set

exponent

Allowed Value

A number value

Parents

feFuncA, feFuncB, feFuncG, feFuncR

externalResourcesRequired

Allowed Value

A boolean value

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, circle, clipPath, cursor, defs, ellipse, feImage, filter, font, foreignObject, g, image, line, linearGradient, marker, mask, mpath, path, pattern, polygon, polyline, radialGradient, rect, script, set, svg, switch, symbol, text, textPath, tref, tspan, use, view

fill 1(2)

Allowed Values

remove, freeze

Parents

animate, animateColor, animateMotion, animateTransform, set

fill 2(2)

Allowed Value

A paint value

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

fill-opacity

Allowed Values

A number between 0.0 and 1.0 inclusive, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

fill-rule

Allowed Values

evenodd, nonzero, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

filter

Allowed Values

A URI, none, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

filterRes

Allowed Values

Number followed by an optional number

Parent

filter

filterUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parent

filter

flood-color

Allowed Values

currentColor, color followed by an optional ICC color-profile, inherit

Parents

a, defs, feFlood, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

flood-opacity

Allowed Values

A number between 0.0 and 1.0 inclusive, inherit

Parents

a, defs, feFlood, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

font-family 1(2)

Allowed Value

A string value

Parent

font - face

font-family 2(2)

Allowed Values

family-name, generic-family, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

font-size 1(2)

Allowed Value

A string value

Parent

font - face

font-size 2(2)

Allowed Values

absolute-size, relative-size, a length value, a percentage value, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

font-size-adjust

Allowed Values

A number value, none, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

font-stretch 1(2)

Allowed Values

all or a list of one or more of the following: normal, ultra-condensed, extra-condensed, condensed, semi-condensed, semi-expanded, expanded, extra-expanded, ultra-expanded

Parent

font-face

font-stretch 2(2)

Allowed Values

normal, wider, narrower, ultra-condensed, extra-condensed, condensed, semi-condensed, semi-expanded, expanded, extra-expanded, ultra-expanded, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

font-style 1(2)

Allowed Values

all or one or more of the following: normal, italic, oblique

Parent

font-face

font-style 2(2)

Allowed Values

normal, italic, oblique, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

font-variant 1(2)

Allowed Values

normal and/or small-caps

Parent

font-face

font-variant 2(2)

Allowed Values

normal, small-caps, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

font-weight 1(2)

Allowed Values

all or one or more of the following: normal, bold, 100, 200, 300, 400, 500, 600, 700, 800, 900

Parent

font-face

font-weight 2(2)

Allowed Values

normal, bold, bolder, lighter, 100, 200, 300, 400, 500, 600, 700, 800, 900, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, glyphRef, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

format

Allowed Value

A string value

Parents

altGlyph, glyphRef

from

Allowed Value

A string value

Parents

animate, animateColor, animateMotion, animateTransform

fx

Allowed Value

A coordinate

Parent

radialGradient

fy

Allowed Value

A coordinate

Parent

radialGradient

g1

Allowed Values

A list of one or more glyph names

Parents

hkern, vkern

g2

Allowed Values

A list of one or more glyph names

Parents

hkern, vkern

glyph-name

Allowed Values

A list of one or more glyph names

Parent

glyph

glyph-orientation-horizontal

Allowed Values

An angle value, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

glyph-orientation-vertical

Allowed Values

An angle value, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

glyphRef

Allowed Value

A string value

Parents

altGlyph, glyphRef

gradientTransform

Allowed Values

A list of transformations

Parents

linearGradient, radialGradient

gradientUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parents

linearGradient, radialGradient

hanging

Allowed Value

A number value

Parent

font -face

height

Allowed Value

A length value

Parents

feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feMerge, feMorphology, feOffset, feSpecularLighting, feTile, feTurbulence, filter, foreignObject, image, mask, pattern, rect, svg, use

horiz-adv-x

Allowed Value

A number value

Parents

font, glyph, missing-glyph

horiz-origin-x

Allowed Value

A number value

Parent

font

horiz-origin-y

Allowed Value

A number value

Parent

font

id

Allowed Value

An ID value

Parents

a, altGlyph, altGlyphDef, altGlyphItem, animate, animateColor, animateMotion, animateTransform, circle, clipPath, color-profile, cursor, definition-src, defs, desc, ellipse, feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feDistantLight, feFlood, feFuncA, feFuncB, feFuncG, feFuncR, feGaussianBlur, feImage, feMerge, feMergeNode, feMorphology, feOffset, fePointLight, feSpecularLighting, feSpotLight, feTile, feTurbulence, filter, font, font-face, font-face-format, font-face-name, font-face-src, font-face-uri, foreignObject, g, glyph, glyphRef, hkern, image, line, linearGradient, marker, mask, metadata, missing-glyph, mpath, path, pattern, polygon, polyline, radialGradient, rect, script, set, stop, style, svg, switch, symbol, text, textPath, title, tref, tspan, use, view, vkern

ideographic

Allowed Value

A number value

Parent

font-face

image-rendering

Allowed Values

auto, optimizeSpeed, optimizeQuality, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

in

Allowed Values

SourceGraphic, SourceAlpha, BackgroundImage, BackgroundAlpha, FillPaint, StrokePaint, reference to another filter primitive

Parents

feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feMergeNode, feMorphology, feOffset, feSpecularLighting, feTile

in2

Allowed Values

SourceGraphic, SourceAlpha, BackgroundImage, BackgroundAlpha, FillPaint, StrokePaint, reference to another filter primitive

Parents

feBlend, feComposite, feDisplacementMap

intercept

Allowed Value

A number value

Parents

feFuncA, feFuncB, feFuncG, feFuncR

k

Allowed Value

A number value

Parents

hkern, vkern

k1

Allowed Value

A number value

Parent

feComposite

k2

Allowed Value

A number value

Parent

feComposite

k3

Allowed Value

A number value

Parent

feComposite

k4

Allowed Value

A number value

Parent

feComposite

kernelMatrix

Allowed Value

A list of numbers



Parent

`feConvolveMatrix`

kernelUnitLength

Allowed Values

A number optionally followed by a number

Parents

`feConvolveMatrix`, `feDiffuseLighting`, `feSpecularLighting`

kerning

Allowed Values

`auto`, a length value, `inherit`

Parents

`a`, `altGlyph`, `clipPath`, `defs`, `feImage`, `filter`, `font`, `foreignObject`, `g`, `glyph`, `marker`, `mask`, `missing-glyph`, `pattern`, `svg`, `switch`, `symbol`, `text`, `textPath`, `tref`, `tspan`, `use`

keyPoints

Allowed Values

A list of numbers between `0.0` and `1.0` inclusive

Parent

`animateMotion`

keySplines

Allowed Values

A list of numbers between `0.0` and `1.0` inclusive. Must be an even multiple of four numbers.

Parents

`animate`, `animateColor`, `animateMotion`, `animateTransform`

keyTimes

Allowed Values

A list of numbers between 0.0 and 1.0 inclusive

Parents

animate, animateColor, animateMotion, animateTransform

lang

Allowed Values

A list a language names according to RFC3066

Parent

glyph

lengthAdjust

Allowed Values

spacing, spacingAndGlyphs

Parents

text, textPath, tref, tspan

letter-spacing

Allowed Values

normal, a length value, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

lighting-color

Allowed Values

currentColor, color optionally followed by an ICC profile, inherit

Parents

a, defs, feDiffuseLighting, feImage, feSpecularLighting, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

limitingConeAngle

Allowed Value

A number value

Parent

feSpotLight

local

Allowed Value

A string value

Parent

color-profile

marker-end

Allowed Values

none, inherit, a URI

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, svg, switch, symbol, use

marker-mid

Allowed Values

none, inherit, a URI

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, svg, switch, symbol, use

marker-start

Allowed Values

none, inherit, a URI

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, svg, switch, symbol, use

markerHeight

Allowed Value

A length value

Parent

marker

markerUnits

Allowed Values

strokeWidth, userSpaceOnUse

Parent

marker

markerWidth

Allowed Value

A length value

Parent

marker

mask

Allowed Values

A URI, none, inherit



Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

maskContentUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parent

mask

maskUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parent

mask

mathematical

Allowed Value

A number value

Parent

font-face

max

Allowed Values

Clock-value, media

Parents

animate, animateColor, animateMotion, animateTransform, set

media

Allowed Values

A list of media descriptors

Parent

style

method

Allowed Values

align, stretch

Parent

textPath

min

Allowed Values

Clock-value, media

Parents

animate, animateColor, animateMotion, animateTransform, set

mode

Allowed Values

normal, multiply, screen, darken, lighten

Parent

feBlend

name

Allowed Value

A string value



Parent

color-profile, font-face-name

numOctaves

Allowed Value

An integer value

Parent

feTurbulence

offset 1(2)

Allowed Value

A number or percentage value

Parent

stop

offset 2(2)

Allowed Value

A number value

Parents

feFuncA, feFuncB, feFuncG, feFuncR

onabort

Allowed Value

Script expression

Parent

svg

onactivate

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onbegin

Allowed Value

Script expression

Parents

animate, animateColor, animateMotion, animateTransform, set

onclick

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onend

Allowed Value

Script expression

Parents

animate, animateColor, animateMotion, animateTransform, set

onerror

Allowed Value

Script expression



Parent

svg

onfocusin

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onfocusout

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onload

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onmousedown

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onmousemove

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onmouseout

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onmouseover

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onmouseup

Allowed Value

Script expression

Parents

a, altGlyph, circle, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

onrepeat

Allowed Value

Script expression

Parents

animate, animateColor, animateMotion, animateTransform, set

onresize

Allowed Value

Script expression

Parent

svg

onscroll

Allowed Value

Script expression

Parent

svg

onunload

Allowed Value

Script expression

Parent

svg

onzoom

Allowed Value

Script expression

Parent

svg

opacity

Allowed Values

A number between 0.0 and 1.0 inclusive, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

operator 1(2)

Allowed Values

erode, dilate

Parent

feMorphology

operator 2(2)

Allowed Values

over, in, out, atop, xor, arithmetic

Parent

feComposite

order

Allowed Values

A number optionally followed by a number

Parent

feConvolveMatrix

orient

Allowed Values

auto, angle

Parent

marker

orientation

Allowed Values

h, v

Parent

glyph

origin

Allowed Value

default

Parent

animateMotion

overflow

Allowed Values

visible, hidden, scroll, auto, inherit

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, image, marker, mask, missing-glyph, pattern, svg, switch, symbol, use

overline-position

Allowed Value

A number value

Parent

font - face

overline-thickness

Allowed Value

A number value

Parent

font - face

panose-1

Allowed Values

A list of 10 integers

Parent

font - face

path

Allowed Value

Path data

Parent

animateMotion

pathLength

Allowed Value

A number value

Parent

path



patternContentUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parent

pattern

patternTransform

Allowed Values

A list of transformations

Parent

pattern

patternUnits

Allowed Values

userSpaceOnUse, objectBoundingBox

Parent

pattern

pointer-events

Allowed Values

visiblePainted, visibleFill, visibleStroke, visible, painted, fill, stroke, all, none, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

points

Allowed Values

A list of points

Parents

polygon, polyline

pointsAtX

Allowed Value

A number value

Parent

feSpotLight

pointsAtY

Allowed Value

A number value

Parent

feSpotLight

pointsAtZ

Allowed Value

A number value

Parent

feSpotLight

preserveAlpha

Allowed Value

A boolean value



Parent

`feConvolveMatrix`

preserveAspectRatio

Allowed Values

An align value (`none`, `xMinYMin`, `xMidYMin`, `xMaxYMin`, `xMinYMid`, `xMidYMid`, `xMaxYMid`, `xMinYMax`, `xMidYMax`, `xMaxYMax`) and an optional `meet` or `slice` value

Parents

`image`, `marker`, `pattern`, `svg`, `symbol`, `view`

primitiveUnits

Allowed Values

`userSpaceOnUse`, `objectBoundingBox`

Parent

`filter`

r

Allowed Value

A length value

Parent

`circle`, `radialGradient`

radius

Allowed Values

A number optionally followed by a number

Parent

`feMorphology`

refX

Allowed Value

A coordinate

Parent

marker

refY

Allowed Value

A coordinate

Parent

marker

rendering-intent

Allowed Values

auto, perceptual, relative-colorimetric, saturation, absolute-colorimetric

Parent

color-profile

repeatCount

Allowed Values

Numeric value, indefinite

Parents

animate, animateColor, animateMotion, animateTransform, set

repeatDur

Allowed Values

Clock-value, indefinite



Parents

animate, animateColor, animateMotion, animateTransform, set

requiredExtensions

Allowed Values

A list of URI values

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, circle, clipPath, cursor, defs, ellipse, foreignObject, g, image, line, mask, path, pattern, polygon, polyline, rect, set, svg, switch, text, textPath, tref, tspan, use

requiredFeatures

Allowed Values

A list of feature strings

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, circle, clipPath, cursor, defs, ellipse, foreignObject, g, image, line, mask, path, pattern, polygon, polyline, rect, set, svg, switch, text, textPath, tref, tspan, use

restart

Allowed Values

always, never, whenNotActive

Parents

animate, animateColor, animateMotion, animateTransform, set

result

Allowed Value

A filter primitive reference

Parents

feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feMerge, feMorphology, feOffset, feSpecularLighting, feTile, feTurbulence

rotate 1(2)

Allowed Values

Angle, auto, auto-reverse

Parent

animateMotion

rotate 2(2)

Allowed Values

A list of numbers

Parents

altGlyph, text, tref, tspan

rx

Allowed Value

A length value

Parent

ellipse, rect

ry

Allowed Value

A length value

Parent

ellipse, rect

scale

Allowed Value

A number value

Parent

feDisplacementMap

seed

Allowed Value

A number value

Parent

feTurbulence

shape-rendering

Allowed Values

auto, optimizeSpeed, crispEdges, geometricPrecision, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

slope

Allowed Value

A number value

Parents

feFuncA, feFuncB, feFuncG, feFuncR, font-face

spacing

Allowed Values

auto, exact

Parent

textPath

specularConstant

Allowed Value

A number value

Parent

feSpecularLighting

specularExponent

Allowed Value

A number value between 1.0 and 128.0 inclusive

Parents

feSpecularLighting, feSpotLight

spreadMethod

Allowed Values

pad, reflect, repeat

Parents

linearGradient, radialGradient

startOffset

Allowed Value

A string value



Parent

textPath

stdDeviation

Allowed Values

A number optionally followed by a number

Parent

feGaussianBlur

stemh

Allowed Value

A number value

Parent

font -face

stemv

Allowed Value

A number value

Parent

font -face

stitchTiles

Allowed Values

stitch, noStitch

Parent

feTurbulence

stop-color

Allowed Values

currentColor, color optionally followed by an ICC profile, inherit

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, linearGradient, marker, mask, missing-glyph, pattern, radialGradient, stop, svg, switch, symbol, use

stop-opacity

Allowed Values

A number between 0.0 and 1.0, inherit

Parents

a, defs, feImage, filter, font, foreignObject, g, glyph, linearGradient, marker, mask, missing-glyph, pattern, radialGradient, stop, svg, switch, symbol, use

strikethrough-position

Allowed Value

A number value

Parent

font - face

strikethrough-thickness

Allowed Value

A number value

Parent

font - face

string

Allowed Value

A string value

Parent

font-face-format

stroke

Allowed Value

A paint value

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-dasharray

Allowed Values

none, a dasharray, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-dashoffset

Allowed Values

A length value, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-linecap

Allowed Values

butt, round, square, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-linejoin

Allowed Values

miter, round, bevel, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-miterlimit

Allowed Values

A number greater than or equal to 1, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-opacity

Allowed Values

A number between 0.0 and 1.0 inclusive, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

stroke-width

Allowed Values

A length value, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

style

Allowed Value

Style sheet data

Parents

a, altGlyph, circle, clipPath, defs, desc, ellipse, feDiffuseLighting, feFlood, feImage, feSpecularLighting, filter, font, foreignObject, g, glyph, glyphRef, image, line, linearGradient, marker, mask, missing-glyph, path, pattern, polygon, polyline, radialGradient, rect, stop, svg, switch, symbol, text, textPath, title, tref, tspan, use

surfaceScale

Allowed Value

A number value

Parents

feDiffuseLighting, feSpecularLighting

systemLanguage

Allowed Values

A list of language codes according to RFC3066

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, circle, clipPath, cursor, defs, ellipse, foreignObject, g, image, line, mask, path, pattern, polygon, polyline, rect, set, svg, switch, text, textPath, tref, tspan, use

tableValues

Allowed Values

A list of one or more numbers

Parents

feFuncA, feFuncB, feFuncG, feFuncR

target

Allowed Value

A frame or window name

Parent

a

targetX

Allowed Value

An integer value

Parent

feConvolveMatrix

targetY

Allowed Value

An integer value

Parent

feConvolveMatrix

text-anchor

Allowed Values

start, middle, end, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use



text-decoration

Allowed Values

none, underline, overline, line-through, blink, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

text-rendering

Allowed Values

auto, optimizeSpeed, optimizeLegibility, geometricPrecision, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

textLength

Allowed Value

A length value

Parents

text, textPath, tref, tspan

title

Allowed Value

A string value

Parent

style

to

Allowed Value

A string value

Parent

animate, animateColor, animateMotion, animateTransform, set

transform

Allowed Values

A list of transformations

Parents

a, circle, clipPath, defs, ellipse, foreignObject, g, image, line, path, polygon, polyline, rect, switch, text, use

type 1(5)

Allowed Value

A media type according to RFC2045

Parents

script, style

type 2(5)

Allowed Values

fractalNoise, turbulence

Parent

feTurbulence

type 3(5)

Allowed Values

identity, table, discrete, linear, gamma

Parents

feFuncA, feFuncB, feFuncG, feFuncR

type 4(5)

Allowed Values

matrix, saturate, hueRotate, luminanceToAlpha

Parent

feColorMatrix

type 5(5)

Allowed Values

translate, scale, rotate, skewX, skewY

Parent

animateTransform

u1

Allowed Values

One or more or a range of Unicode characters.

Parents

hkern, vkern

u2

Allowed Values

One or more or a range of Unicode characters.

Parents

hkern, vkern

underline-position

Allowed Value

A number value

Parent

font - face

underline-thickness

Allowed Value

A number value

Parent

font - face

unicode

Allowed Values

One or more Unicode characters

Parent

glyph

unicode-bidi

Allowed Values

normal, embed, bidi-override, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

unicode-range

Allowed Values

One or more or a range of Unicode characters.

Parent

font - face

units-per-em

Allowed Value

A number value

Parent

font - face

v-alphabetic

Allowed Value

A number value

Parent

font - face

v-hanging

Allowed Value

A number value

Parent

font - face

v-ideographic

Allowed Value

A number value

Parent

font - face

v-mathematical

Allowed Value

A number value

Parent

font - face

values

Allowed Values

A list of one or more values

Parents

animate, animateColor, animateMotion, animateTransform, feColorMatrix

version

Allowed Value

Fixed value of 1.0

Parent

svg

vert-adv-y

Allowed Value

A number value

Parents

font, glyph, missing-glyph

vert-origin-x

Allowed Value

A number value



Parents

font, glyph, missing-glyph

vert-origin-y

Allowed Value

A number value

Parents

font, glyph, missing-glyph

viewBox

Allowed Values

A list of four numbers: min-x, min-y, width, height

Parents

marker, pattern, svg, symbol, view

viewTarget

Allowed Values

One or more XML names

Parent

view

visibility

Allowed Values

visible, hidden, collapse, inherit

Parents

a, altGlyph, circle, clipPath, defs, ellipse, feImage, filter, font, foreignObject, g, glyph, image, line, marker, mask, missing-glyph, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, tref, tspan, use

width

Allowed Value

A length value

Parents

feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feMerge, feMorphology, feOffset, feSpecularLighting, feTile, feTurbulence, filter, foreignObject, image, mask, pattern, rect, svg, use

widths

Allowed Values

A list of an optional range of Unicode characters followed by one or more numbers

Parent

font -face

word-spacing

Allowed Values

normal, a length value, inherit

Parents

a, altGlyph, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, textPath, tref, tspan, use

writing-mode

Allowed Values

lr-tb, rl-tb, tb-rl, lr, rl, tb, inherit

Parents

a, clipPath, defs, feImage, filter, font, foreignObject, g, glyph, marker, mask, missing-glyph, pattern, svg, switch, symbol, text, use

x 1(3)

Allowed Value

An x coordinate

Parents

cursor, feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feMerge, feMorphology, feOffset, feSpecularLighting, feTile, feTurbulence, filter, foreignObject, image, mask, pattern, rect, svg, use

x 2(3)

Allowed Values

A list of one or more x coordinates

Parents

altGlyph, text, tref, tspan

x 3(3)

Allowed Value

A number value

Parents

fePointLight, feSpotLight, glyphRef

x-height

Allowed Value

A number value

Parent

font - face

x1

Allowed Value

An x coordinate

Parents

line, linearGradient

x2

Allowed Value

An x coordinate

Parents

line, linearGradient

xChannelSelector

Allowed Values

R, G, B, A

Parent

feDisplacementMap

xlink:actuate 1(2)

Allowed Value

onRequest

Parent

a

xlink:actuate 2(2)

Allowed Value

onLoad



Parents

altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xlink:arcrole

Allowed Value

A URI as defined in RFC2396

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xlink:href

Allowed Value

A URI as defined in RFC239

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xlink:role

Allowed Value

A URI as defined in RFC2396

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xlink:show 1(2)

Allowed Values

new, replace

Parent

a

xlink:show 2(2)

Allowed Value

embed

Parents

altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xlink:title

Allowed Value

A string value

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xlink:type

Allowed Value

simple

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

xml:base

Allowed Value

A URI

Parents

a, altGlyph, altGlyphDef, altGlyphItem, animate, animateColor, animateMotion, animateTransform, circle, clipPath, color-profile, cursor, definition-src, defs, desc, ellipse, feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feDistantLight, feFlood, feFuncA, feFuncB, feFuncG, feFuncR, feGaussianBlur, feImage, feMerge, feMergeNode, feMorphology, feOffset, fePointLight, feSpecularLighting, feSpotLight, feTile, feTurbulence, filter, font, font-face, font-face-format, font-face-name, font-face-src, font-face-uri, foreignObject, g, glyph, glyphRef, hkern, image, line, linearGradient, marker, mask, metadata, missing-glyph, mpath, path, pattern, polygon, polyline, radialGradient, rect, script, set, stop, style, svg, switch, symbol, text, textPath, title, tref, tspan, use, view, vkern

xml:lang

Allowed Value

A language identifier

Parents

a, altGlyph, circle, clipPath, defs, desc, ellipse, feImage, filter, foreignObject, g, image, line, marker, mask, path, pattern, polygon, polyline, rect, svg, switch, symbol, text, textPath, title, tref, tspan, use

xml:space

Allowed Values

default, preserve

Parents

a, altGlyph, circle, clipPath, defs, desc, ellipse, feImage, filter, foreignObject, g, image, line, marker, mask, path, pattern, polygon, polyline, rect, style, svg, switch, symbol, text, textPath, title, tref, tspan, use

xmlns

Allowed Value

"http://www.w3.org/2000/svg"

Parent

svg

xmlns:xlink

Allowed Value

"http://www.w3.org/1999/xlink"

Parents

a, altGlyph, animate, animateColor, animateMotion, animateTransform, color-profile, cursor, definition-src, feImage, filter, font-face-uri, glyphRef, image, linearGradient, mpath, pattern, radialGradient, script, set, textPath, tref, use

y 1(3)

Allowed Value

A y coordinate

Parents

cursor, feBlend, feColorMatrix, feComponentTransfer, feComposite, feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood, feGaussianBlur, feMerge, feMorphology, feOffset, feSpecularLighting, feTile, feTurbulence, filter, foreignObject, image, mask, pattern, rect, svg, use

y 2(3)

Allowed Values

A list of y coordinates

Parents

altGlyph, text, tref, tspan

y 3(3)

Allowed Value

A number value

Parents

`fePointLight`, `feSpotLight`, `glyphRef`

y1

Allowed Value

A y coordinate

Parents

`line`, `linearGradient`

y2

Allowed Value

A y coordinate

Parents

`line`, `linearGradient`

yChannelSelector

Allowed Values

R, G, B, A

Parent

`feDisplacementMap`

Z

Allowed Value

A number value

Parents

fePointLight, feSpotLight

zoomAndPan

Allowed Values

disable, magnify

Parents

svg, view



