Scale Track

The scale track component is a custom gradient aligned to a line or arc. You can use it when building a gauge widget.

To use this component, first you insert it by selecting **Insert** > **Gauge** > **Scale Track**. Then, you configure style and behavior using properties. You can customize the start angle and end angle, the start thickness and end thickness, the gradient, and other properties.

Gradient Customization

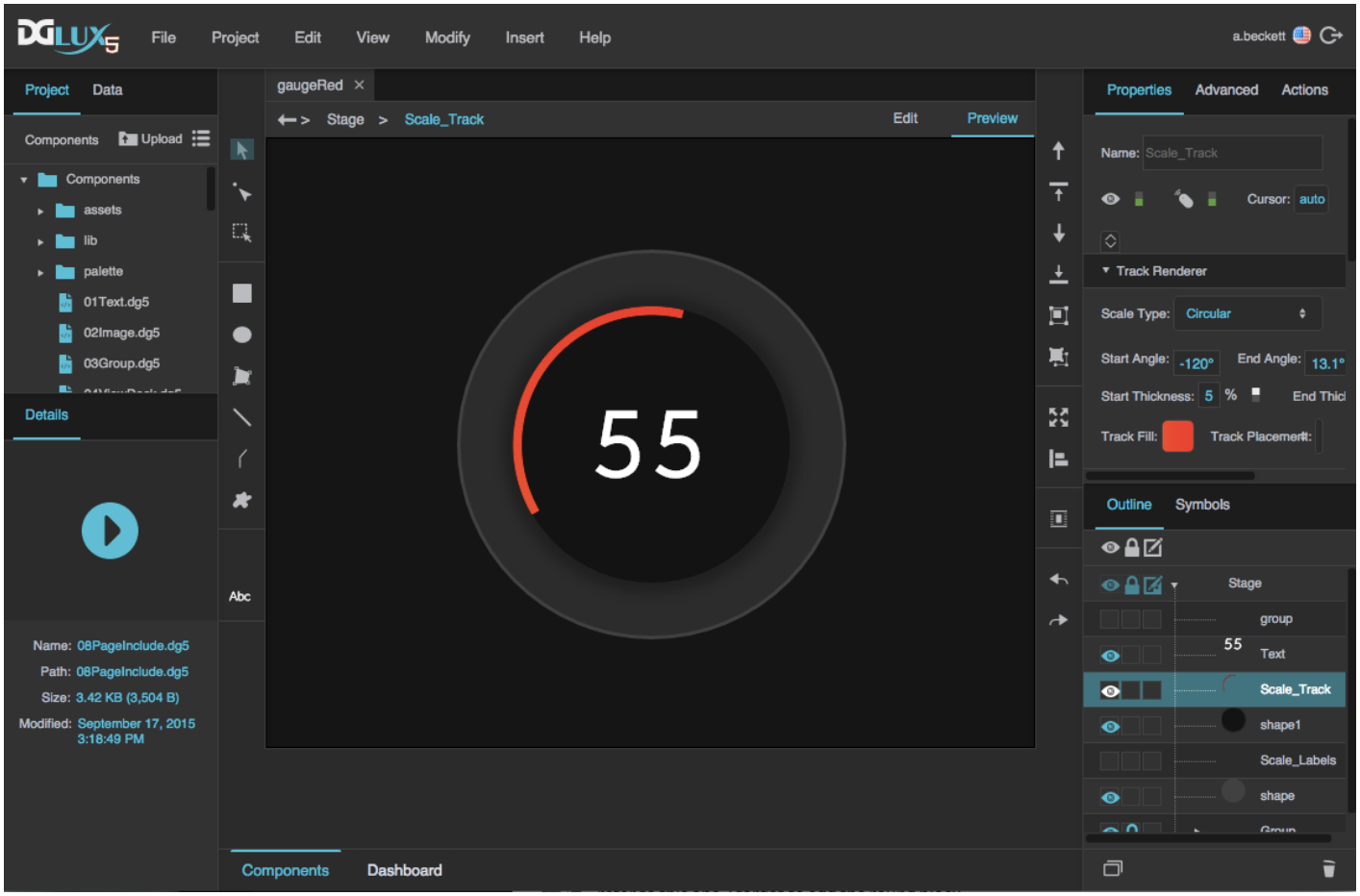
To edit the gradient for a scale track, click **Track Fill**. A dialog opens that includes a track for defining the gradient.

Any time you customize a gradient in DGLux5:

- To change a color value, click the small square below the track in the dialog, and then use the color picker.
- To add a color to the gradient, click below the track in the dialog.
- To delete a color from the gradient, right-click the small square.
- Drag colors to move them.

For more information about creating gauges, see Designing Gauges.

For a detailed reference of properties that affect gauge scales, see Common Properties and Gauge Scale Properties.



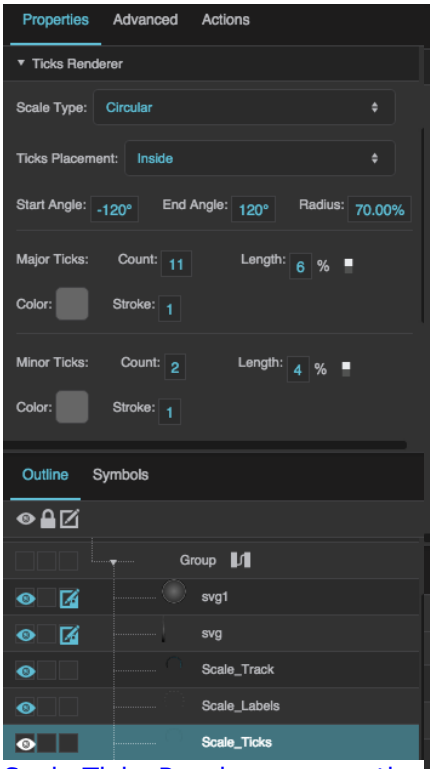
A gauge with a scale track in DGLux5

Gauge Scale Properties

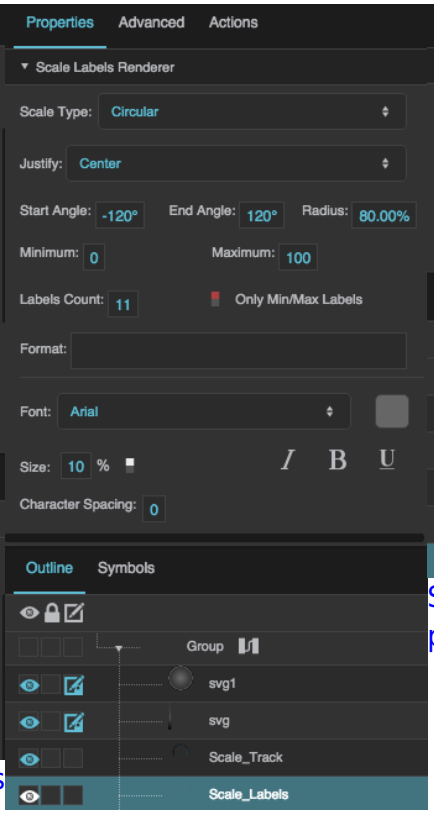
These properties affect gauge scales. A gauge scale fits into one of three categories, based on whether it has ticks, labels, or a track. Each category has its own properties.

For a guide to using gauges, see Designing Gauges.

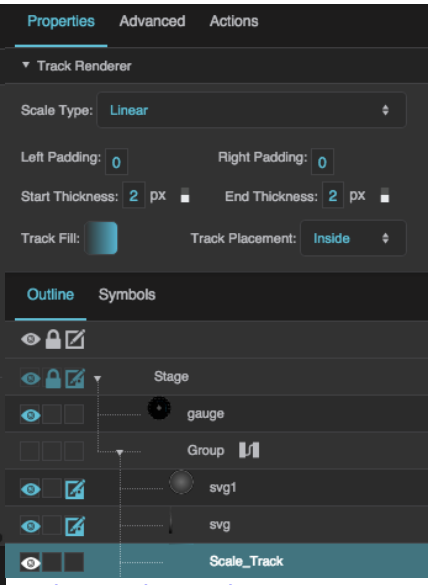
Gauges and gauge scales can also be affected using Common Properties.



Scale Ticks Renderer properties



Scale Labels Renderer properties



Scale Track Renderer properties

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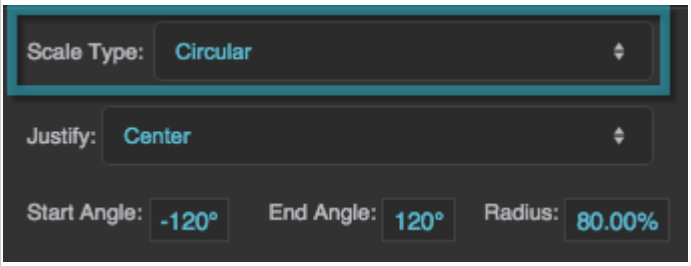
Shared Gauge Scale Properties

These properties affect the shape of any type of gauge scale.

Scale Type
Specifies whether the shape of the scale is defined by a circle or a straight line.



The Scale Type property

Start Angle
Defines the start angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between −180 and 180.

The Start Angle property

End Angle

Defines the end angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between −180 and 180.

The End Angle property

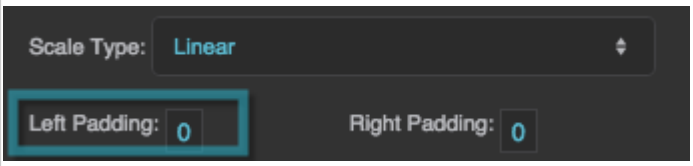
Radius

Defines the radius of the circle that defines the scale, as a percentage of either half the width or half the height of the container, whichever is larger.

The Radius property

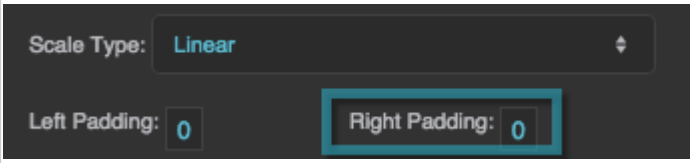
Left Padding

Defines the distance between the left side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See Borders, Padding, and Content Size.



The Left Padding property

Right Padding
Defines the distance between the right side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See Borders, Padding, and Content Size.



The Right Padding property

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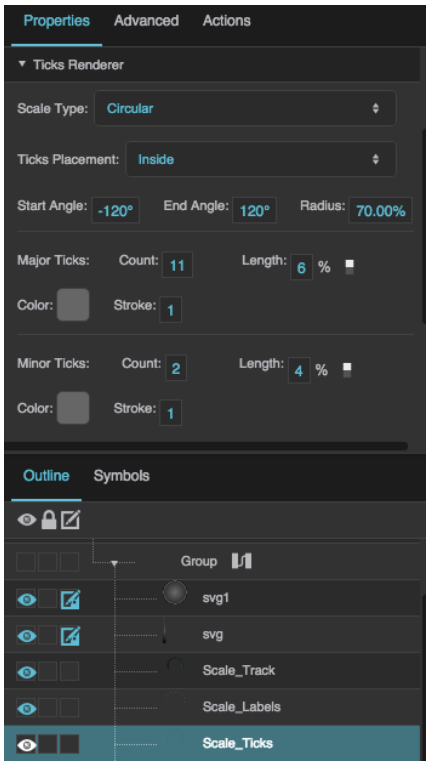
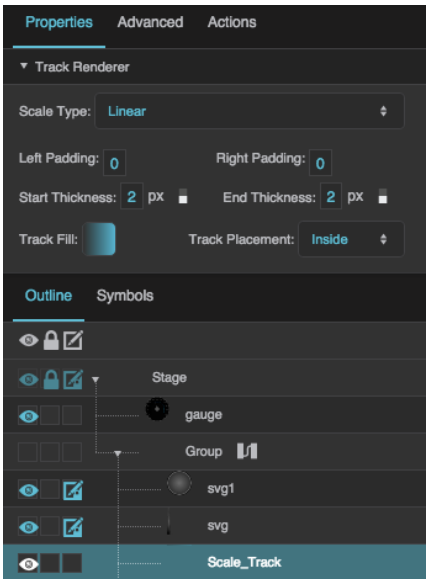
Gauge Scale Properties

These properties affect gauge scales. A gauge scale fits into one of three categories, based on whether it has ticks, labels, or a track. Each category has its own properties.

For a guide to using gauges, see Designing Gauges.

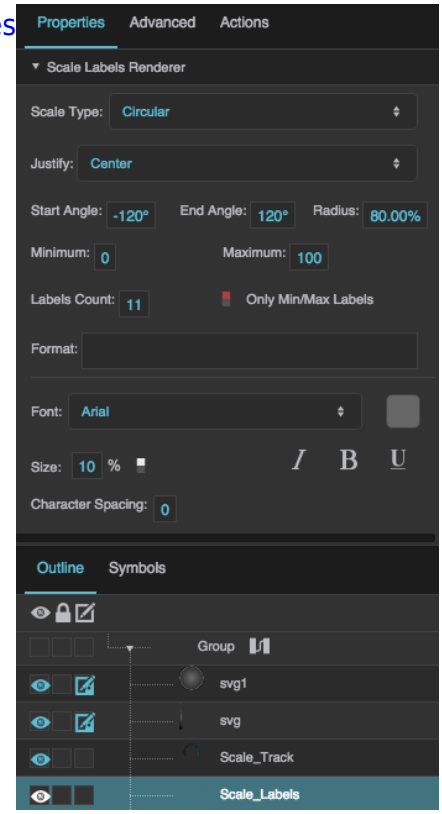

Gauges and gauge scales can also be affected using Common Properties.





Scale Track Renderer properties

Scale Ticks Renderer properties



Scale Labels Renderer properties

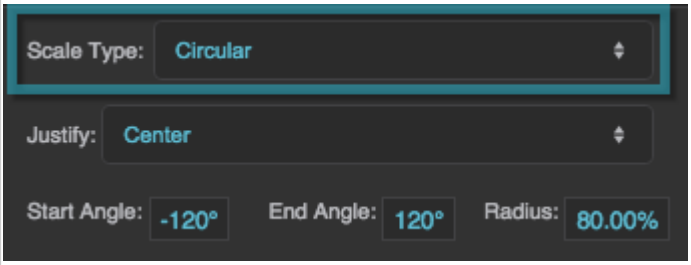
Click to display/hide all elements

Shared Gauge Scale Properties

These properties affect the shape of any type of gauge scale.

Scale Type

Specifies whether the shape of the scale is defined by a circle or a straight line.



The Scale Type property

Start Angle

Defines the start angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between −180 and 180.

The Start Angle property

End Angle

Defines the end angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between −180 and 180.

The End Angle property

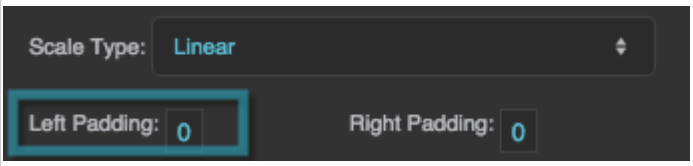
Radius

Defines the radius of the circle that defines the scale, as a percentage of either half the width or half the height of the container, whichever is larger.

The Radius property

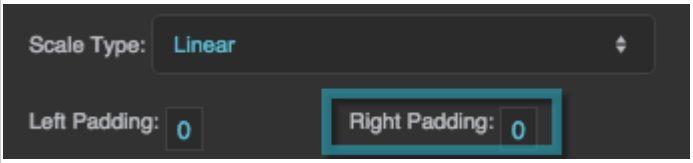
Left Padding

Defines the distance between the left side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See Borders, Padding, and Content Size.



The Left Padding property

Right Padding
Defines the distance between the right side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See Borders, Padding, and Content Size.

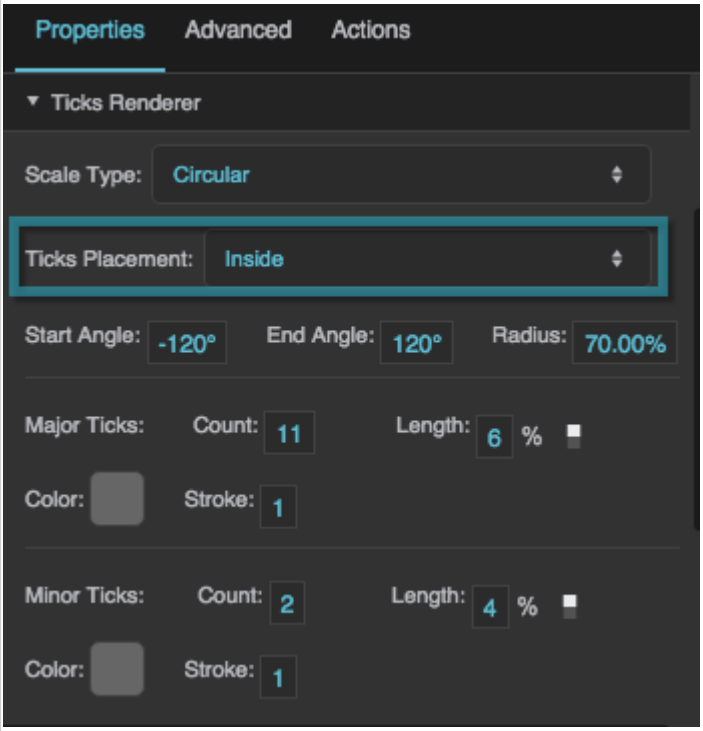


The Right Padding property

Scale Ticks Renderer Properties

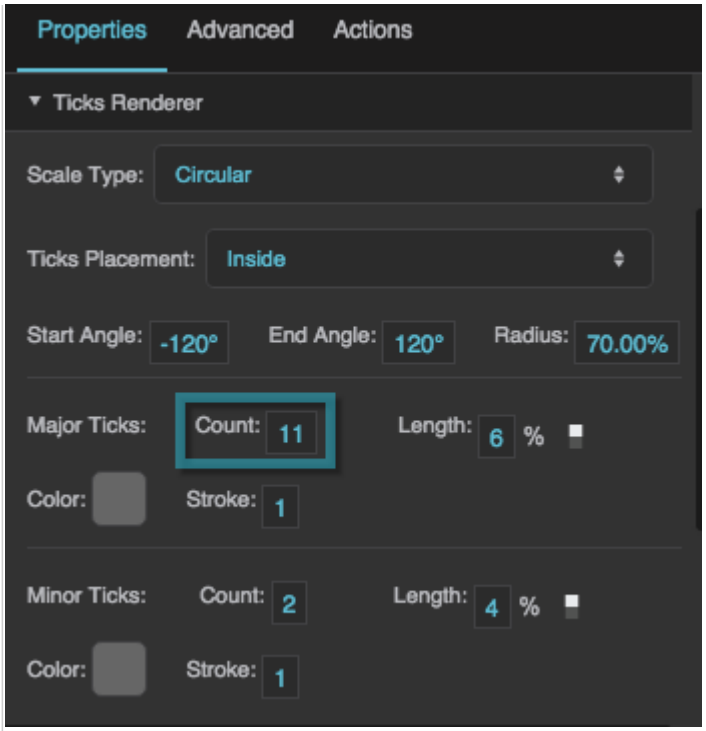
These properties affect a scale with ticks.

Ticks Placement
Specifies whether the ticks are positioned on the inside, outside, or center of the circle or line that defines the scale.



The Ticks Placement property

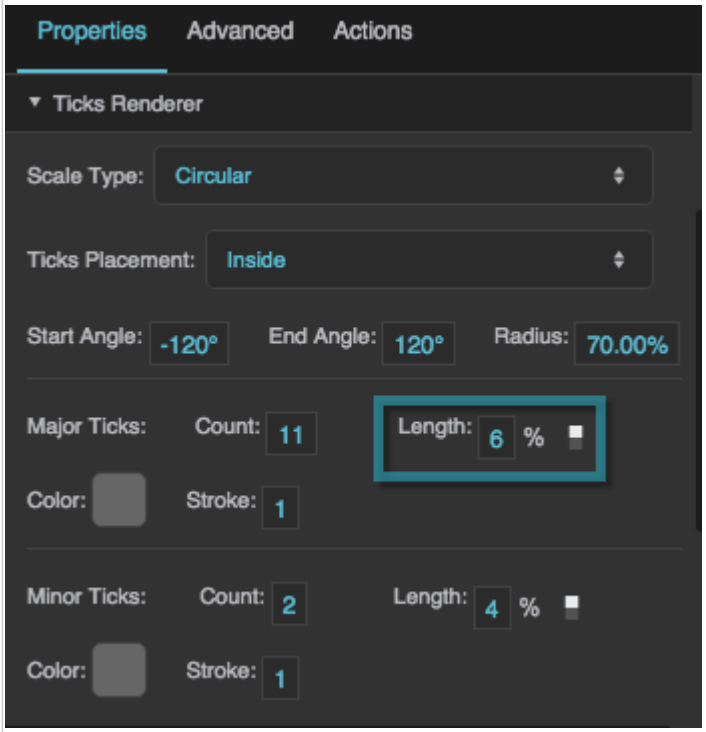
Major Tick Count
Defines the total number of major ticks along this scale.



The Major Tick Count property

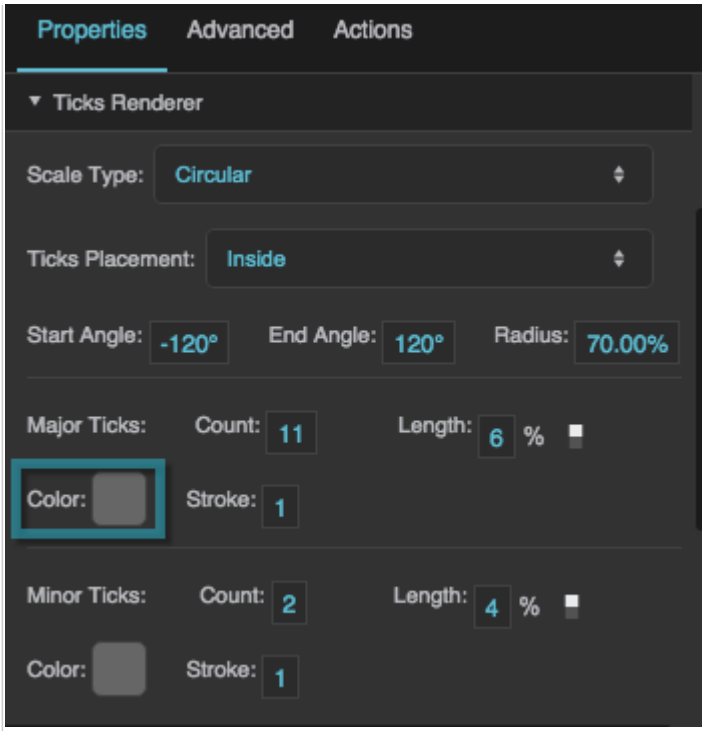
Major Ticks Length

Defines the length of each major tick, as a pixel value or a percentage. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



The Major Tick Length property

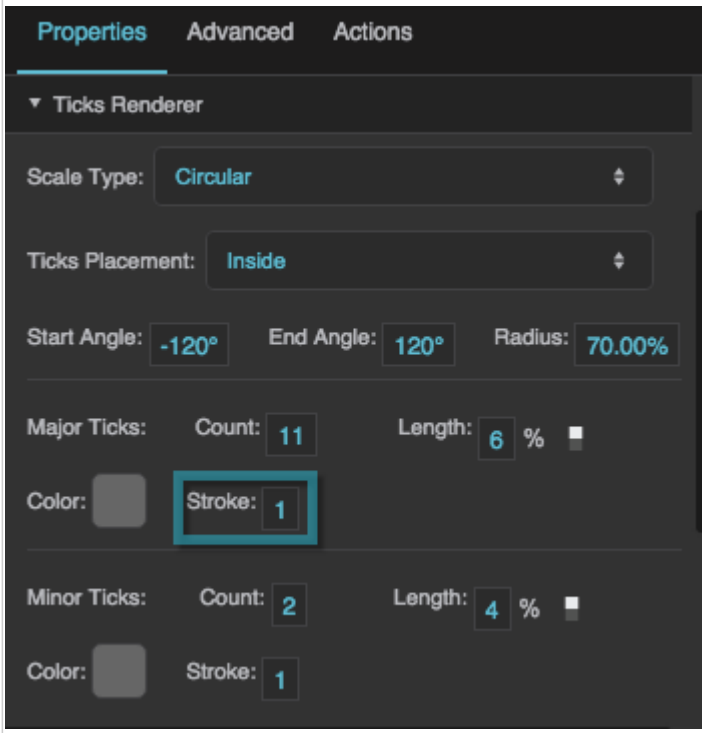
Defines the stroke color of the major ticks.



The Major Tick Color property

Major Tick Stroke Weight

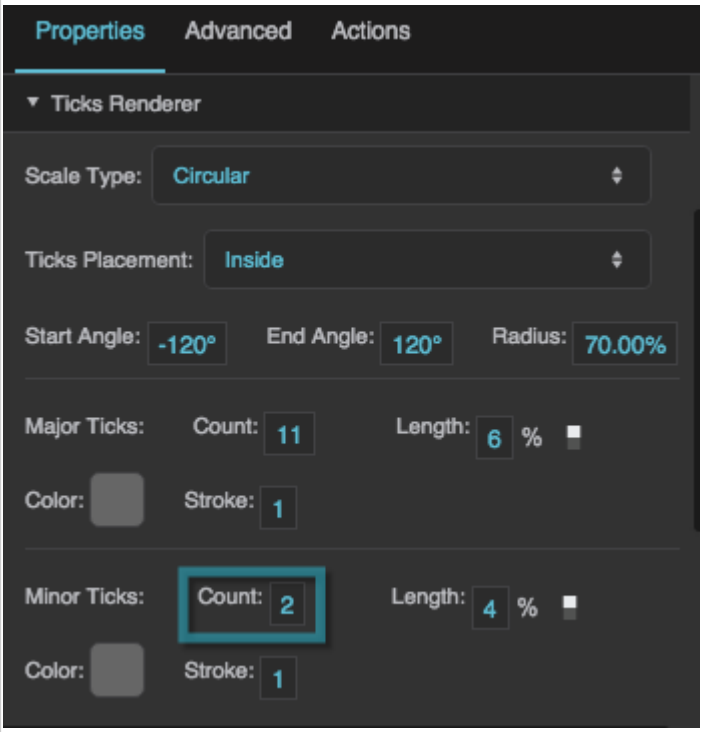
Defines the stroke weight of each major tick.



The Major Tick Weight property

Minor Tick Count

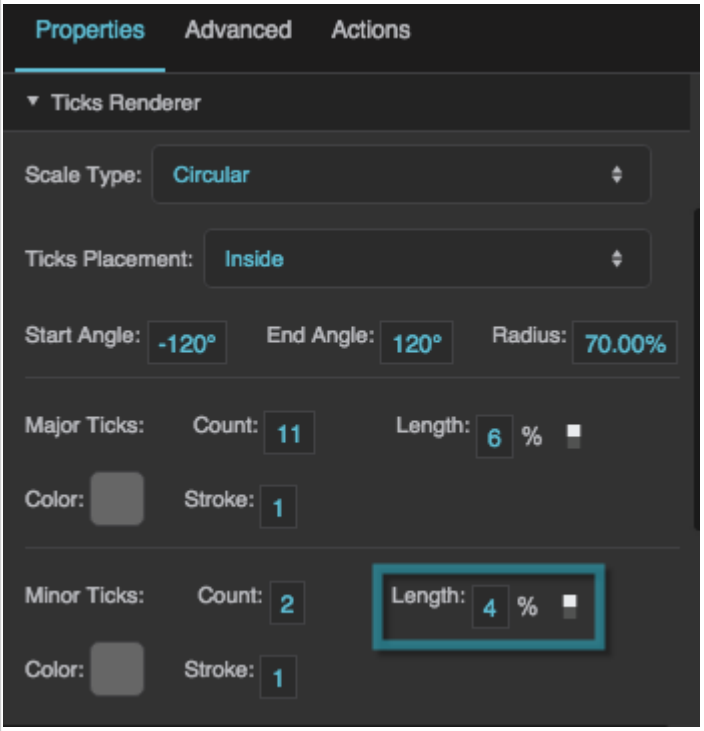
Defines the number of minor ticks between each consecutive pair of major ticks.



The Minor Tick Count property

Minor Tick Length

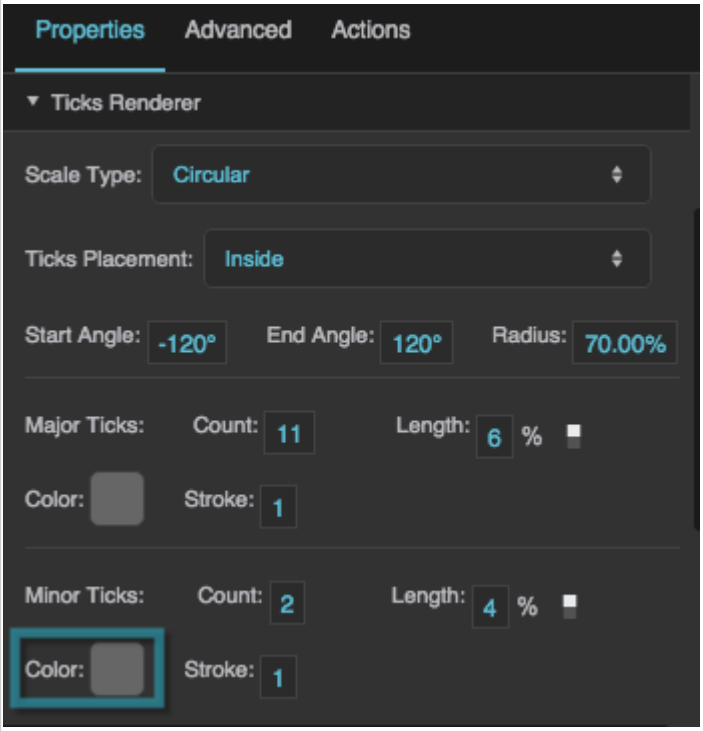
Defines the length of each minor tick, as a pixel value or a percentage. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



The Minor Tick Length property

Minor Tick Stroke Color

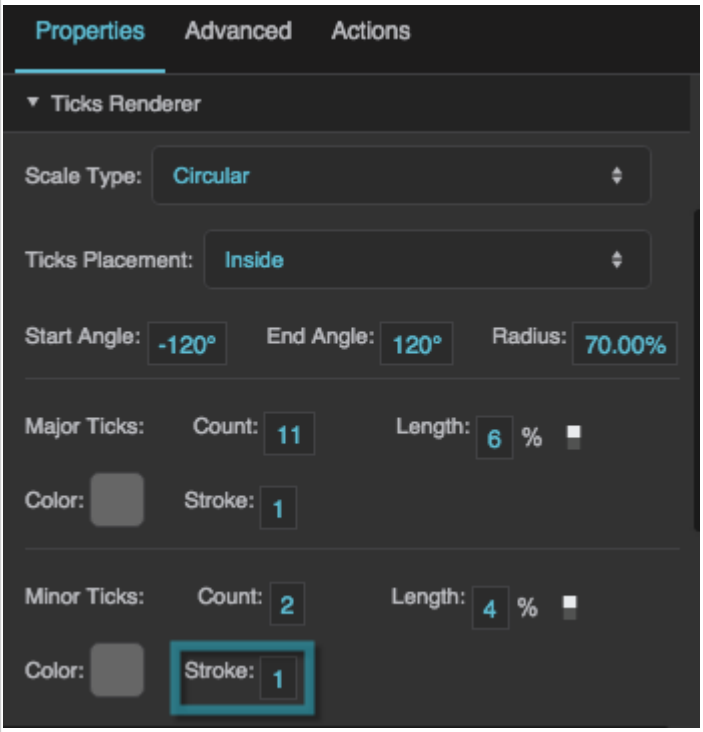
Defines the stroke color of the minor ticks.



The Minor Tick Color property

Minor Tick Stroke Weight

Defines the stroke weight of each minor tick.

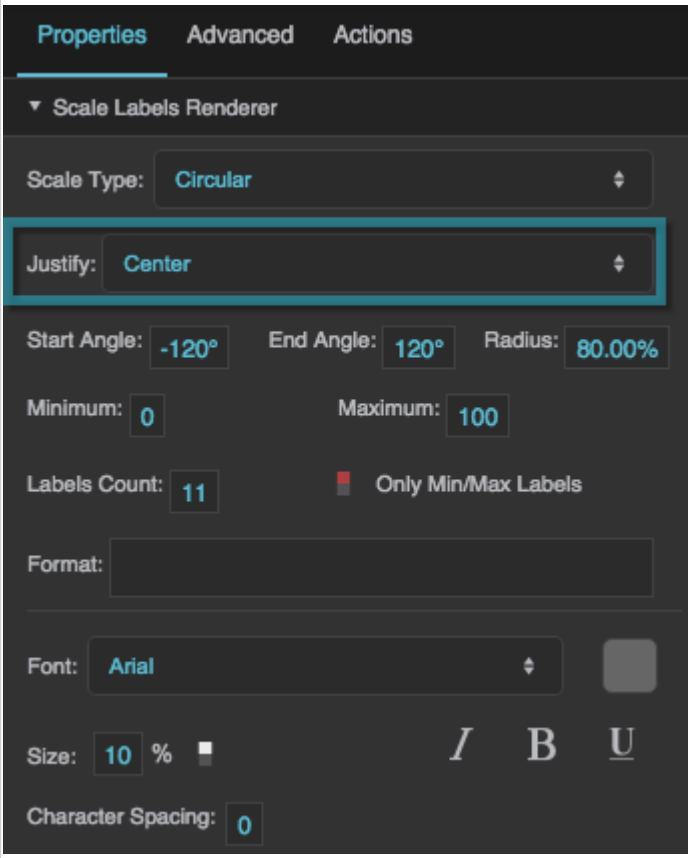


The Minor Tick Weight property

Scale Labels Renderer Properties

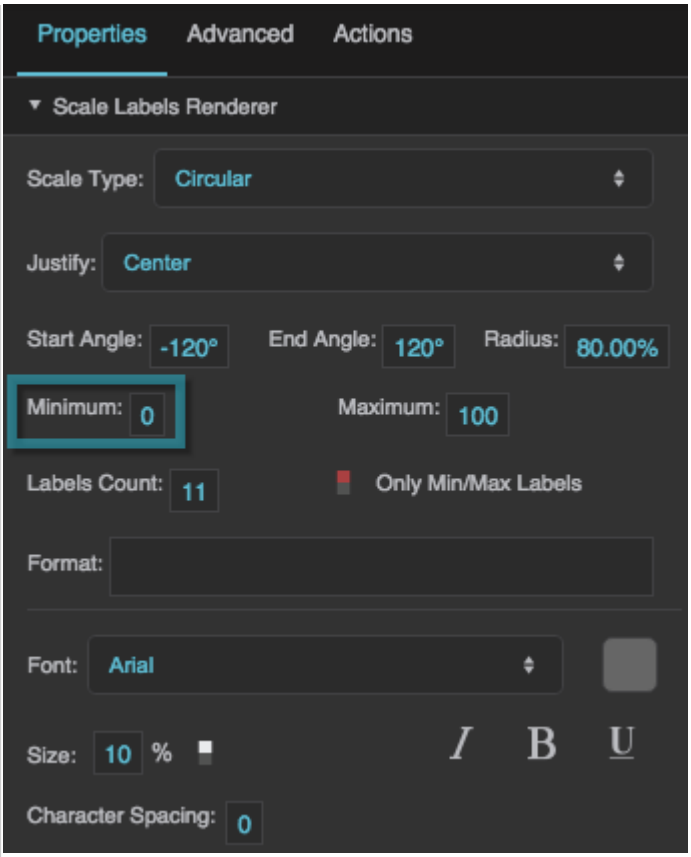
These properties affect a scale with number labels.

Justify
Specifies whether the labels appear on the inside, outside, or center of the circle or line that defines the scale.



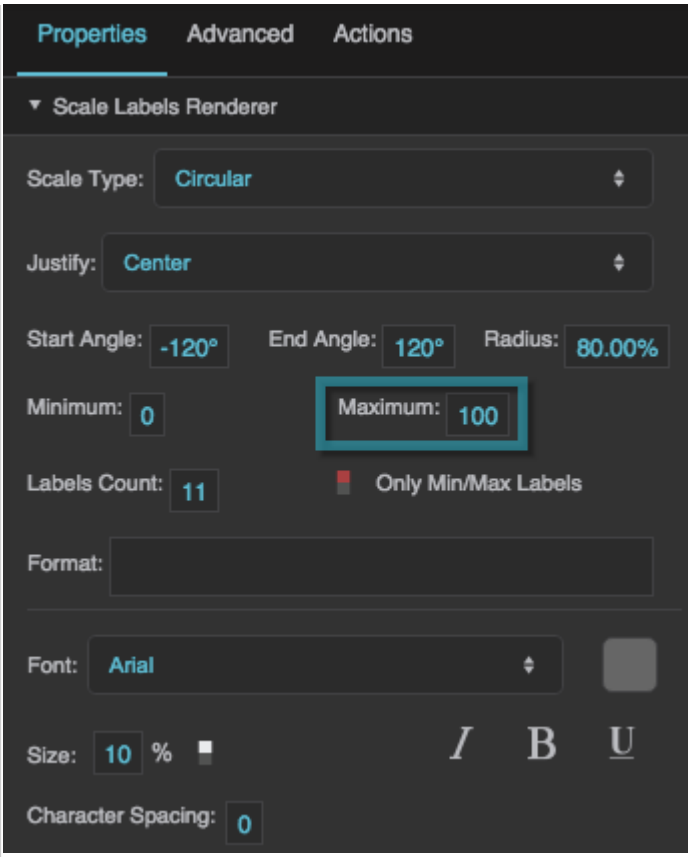
The Justify property

Minimum
Defines the lowest number on the scale.



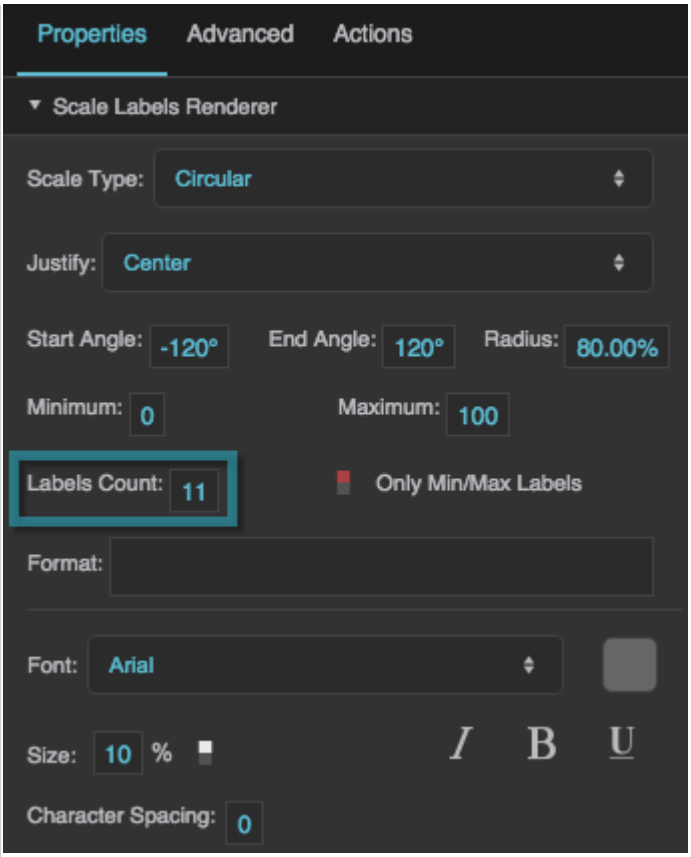
The Minimum property

Maximum
Defines the highest number on the scale.



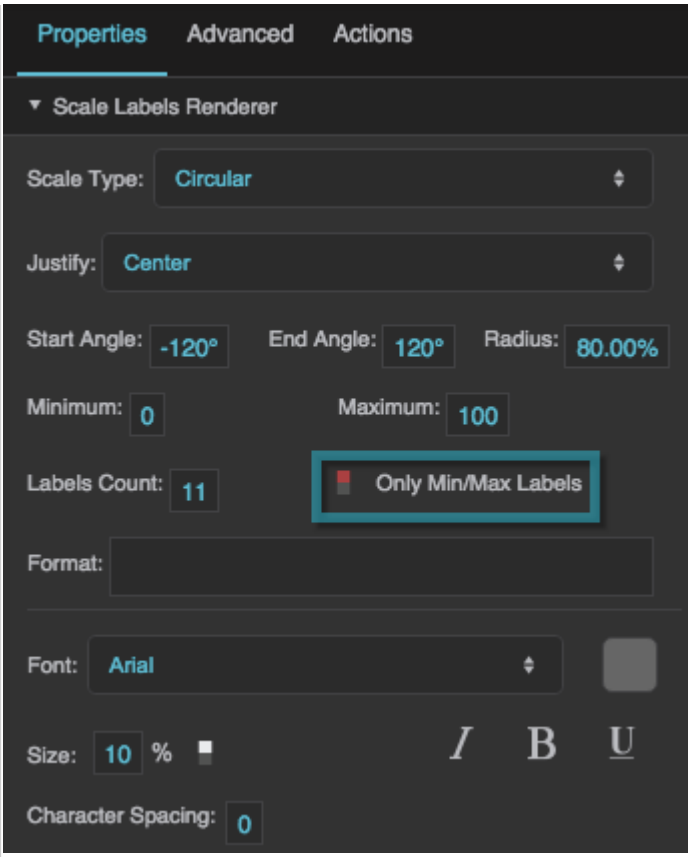
The Maximum property

Labels Count
Defines the total number of labels along this scale. Must be an integer greater than or equal to 2. The **Only Min/Max Labels** property overrides this property.



The Labels Count property

Only Min/Max Labels
Specifies whether the labels for the minimum and maximum of the scale are the only two labels that appear. This property overrides the **Labels Count** property.



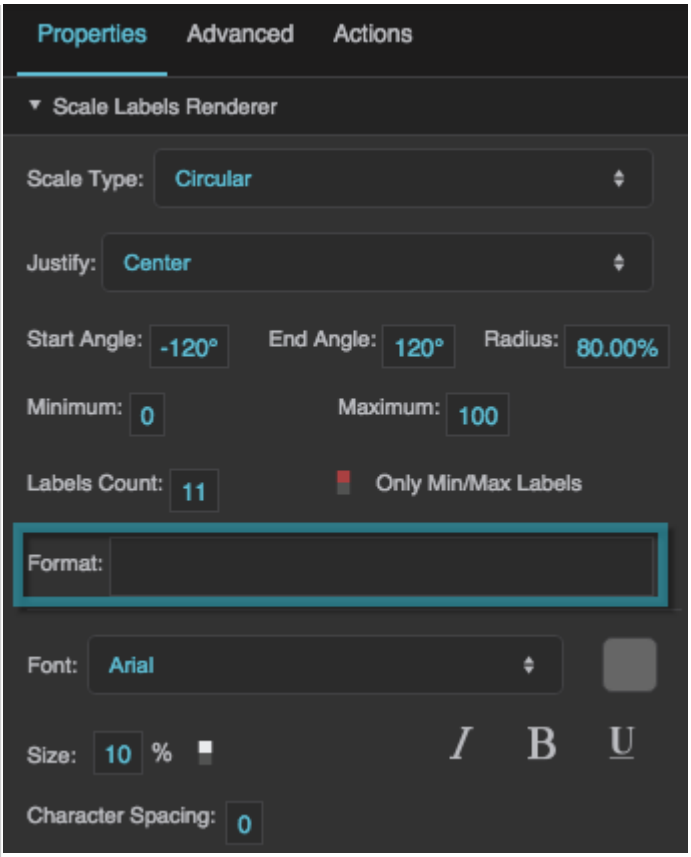
The Only Min/Max Labels property

Format
Defines the number format for scale labels, as a format string.

For example:

- **,##0.00**: Labels have a thousands separator and two decimal digits.
- **000.00**: Labels have three mandatory digits before the decimal, and two mandatory digits after the decimal.

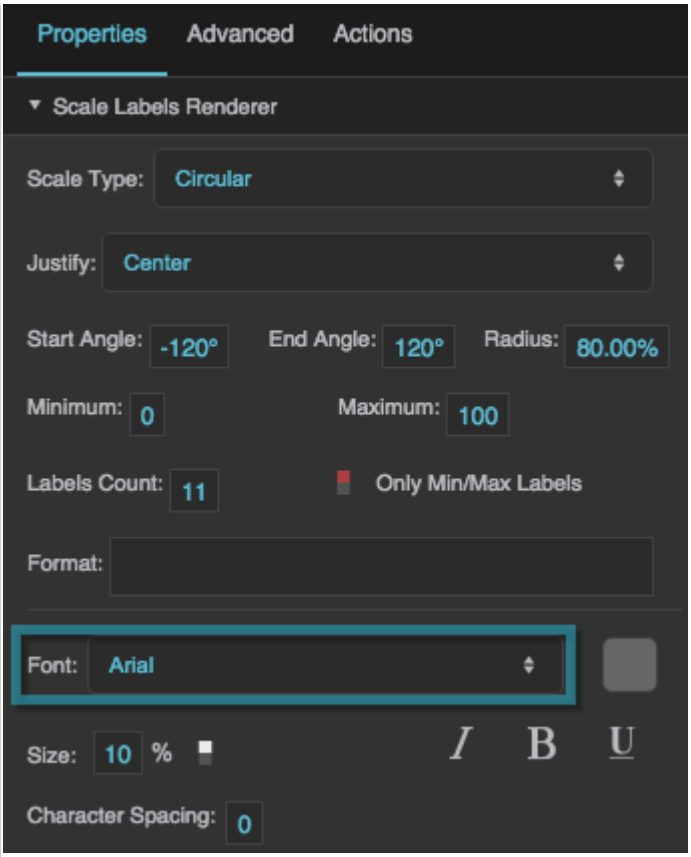
For more information about supported formatting options, see Scripting and Syntax.



The Format property

Labels Font

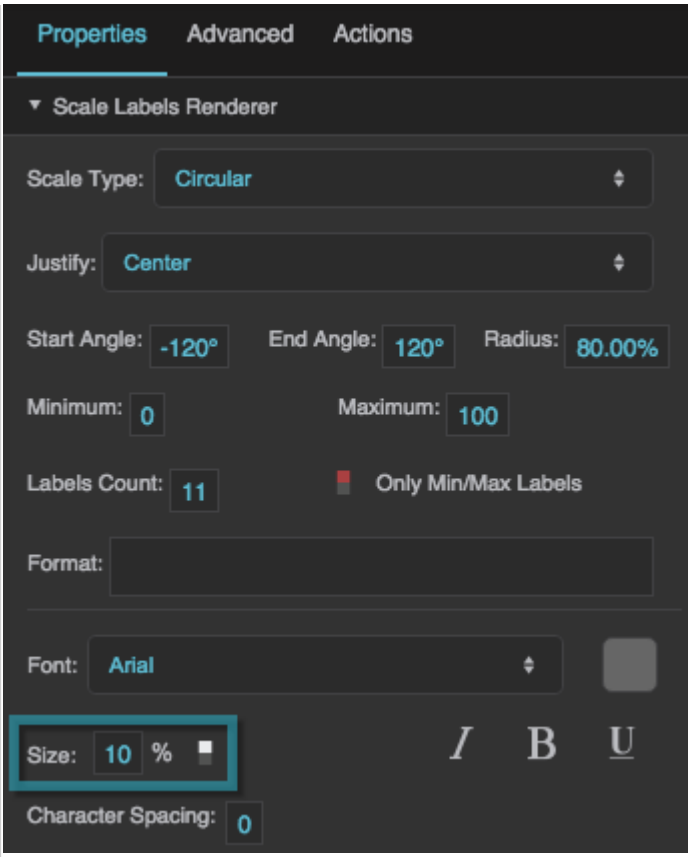
Defines the font used for the labels along this scale. To add a font to this project and use it for this property, see Text Component Properties.



The Font property

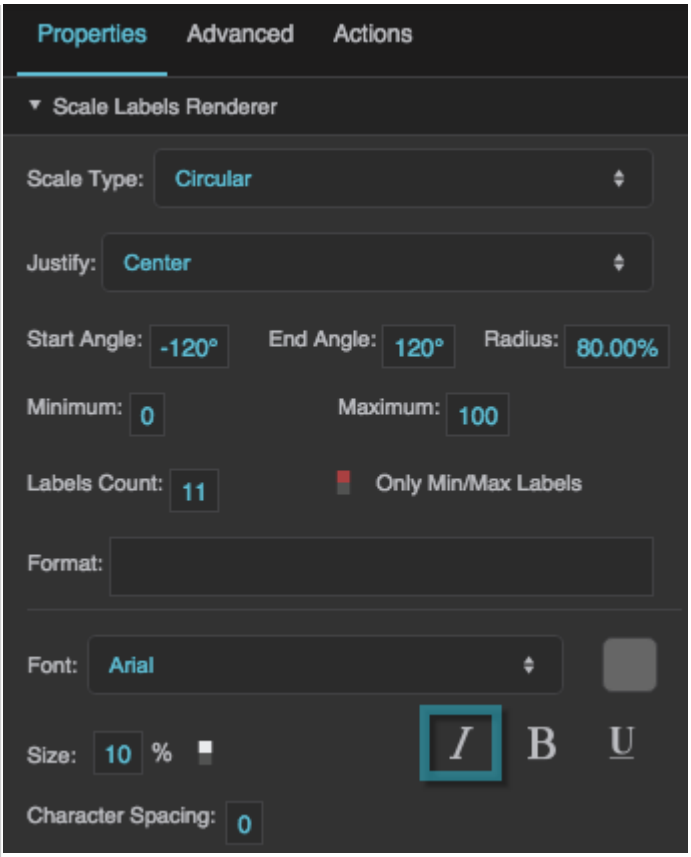
Labels Size

Defines the height of the scale numbers, as a pixel value or percentage. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



The Labels Size property

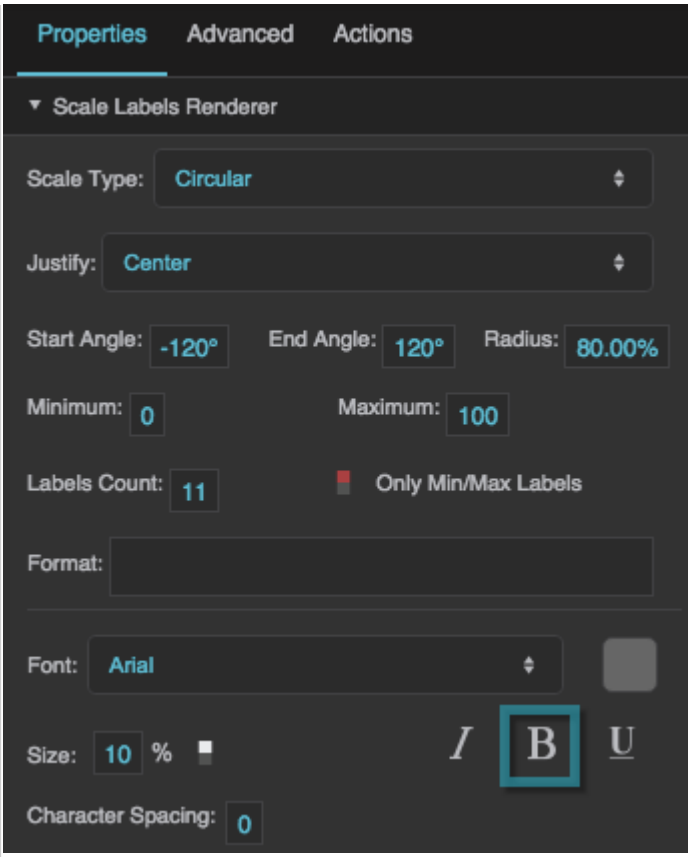
Italic
Defines whether the labels along this scale are italic.



The Italic property

Bold

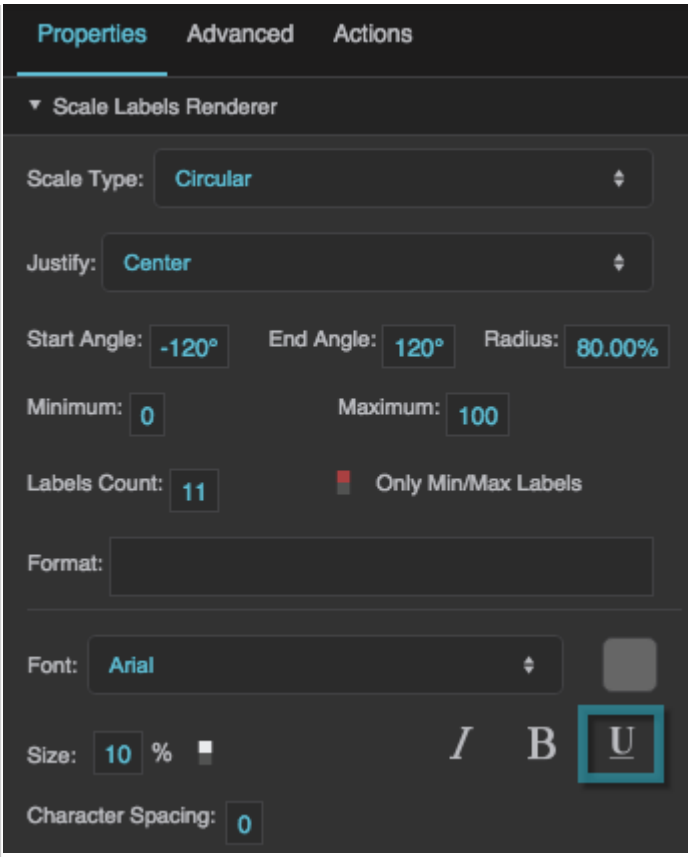
Defines whether the labels along this scale are bold.



The Bold property

Underline

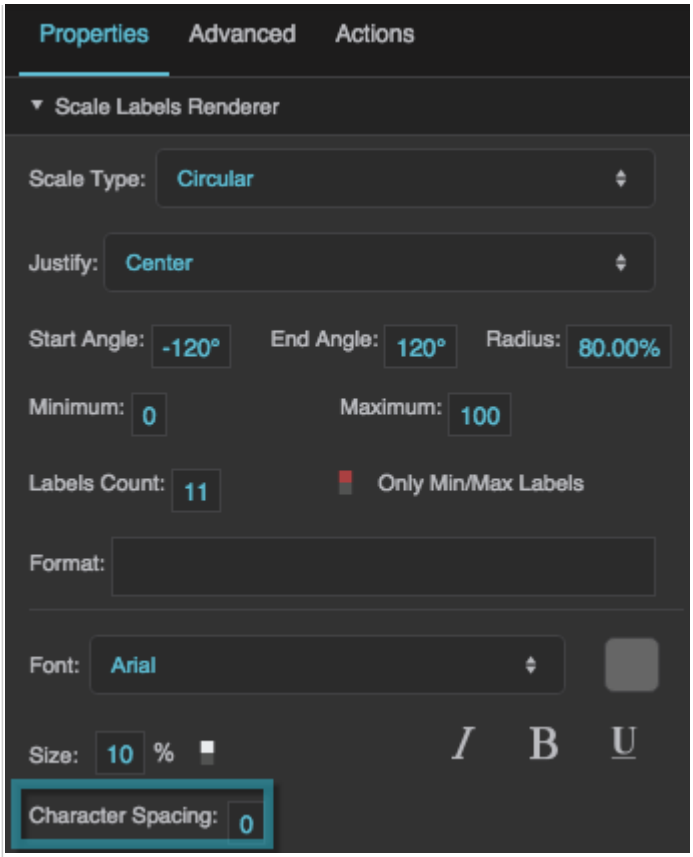
Defines whether the labels along this scale are underlined.



The Underline property

Character Spacing

Specifies the horizontal spacing between characters in the scale labels, as a pixel value. A null value means the font's default spacing is used.

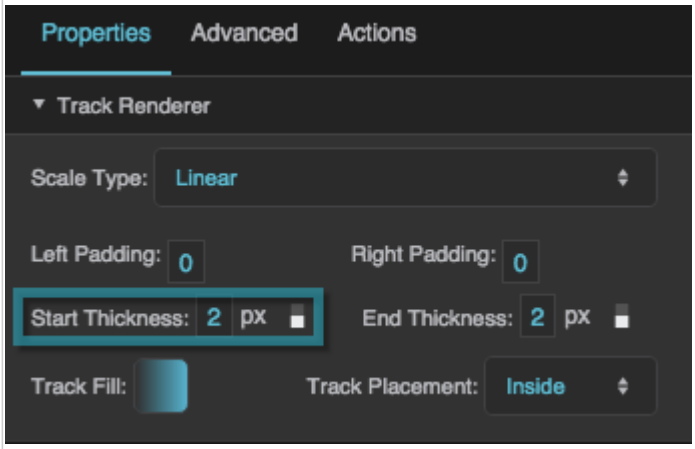


The Character Spacing property

Scale Track Renderer Properties

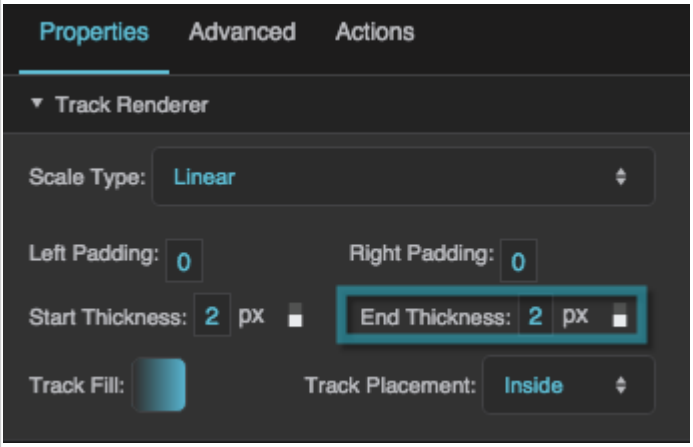
These properties affect a scale with a track.

Start Thickness
Defines the thickness of the scale track at its start, as a pixel or percentage value. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of the entire container width.



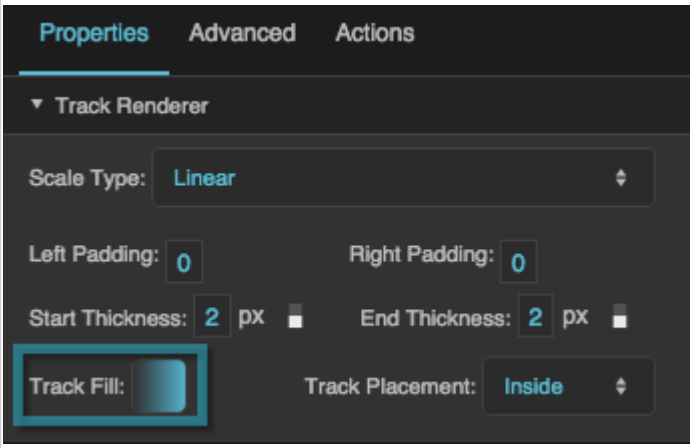
The Start Thickness property

End Thickness
Defines the thickness of the scale track at its end, as a pixel or percentage value. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of the entire container width.



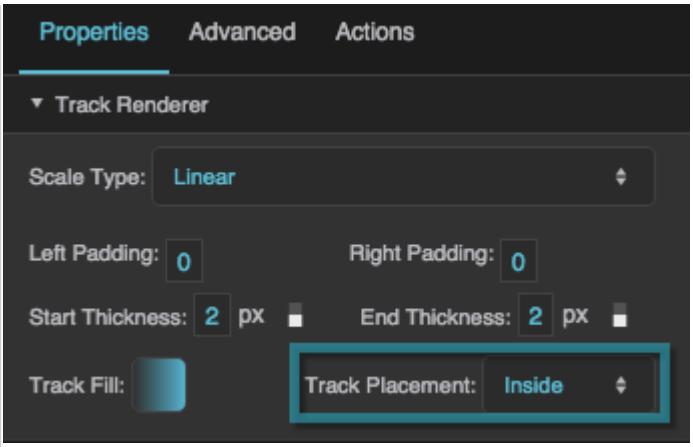
The End Thickness property

Track Fill
Defines the colors for the gradient fill for the scale track. To add colors, click below the track in the dialog. To delete colors, right-click on them in the dialog.



The Track Fill property

Track Placement
Specifies whether the track is positioned on the inside, outside, or center of the circle or line that defines the scale.



The Track Placement property

Previous: Raw SVG Repeater Properties

Next: Input Component Properties

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Previous: Scale Labels

Next: Form Input