

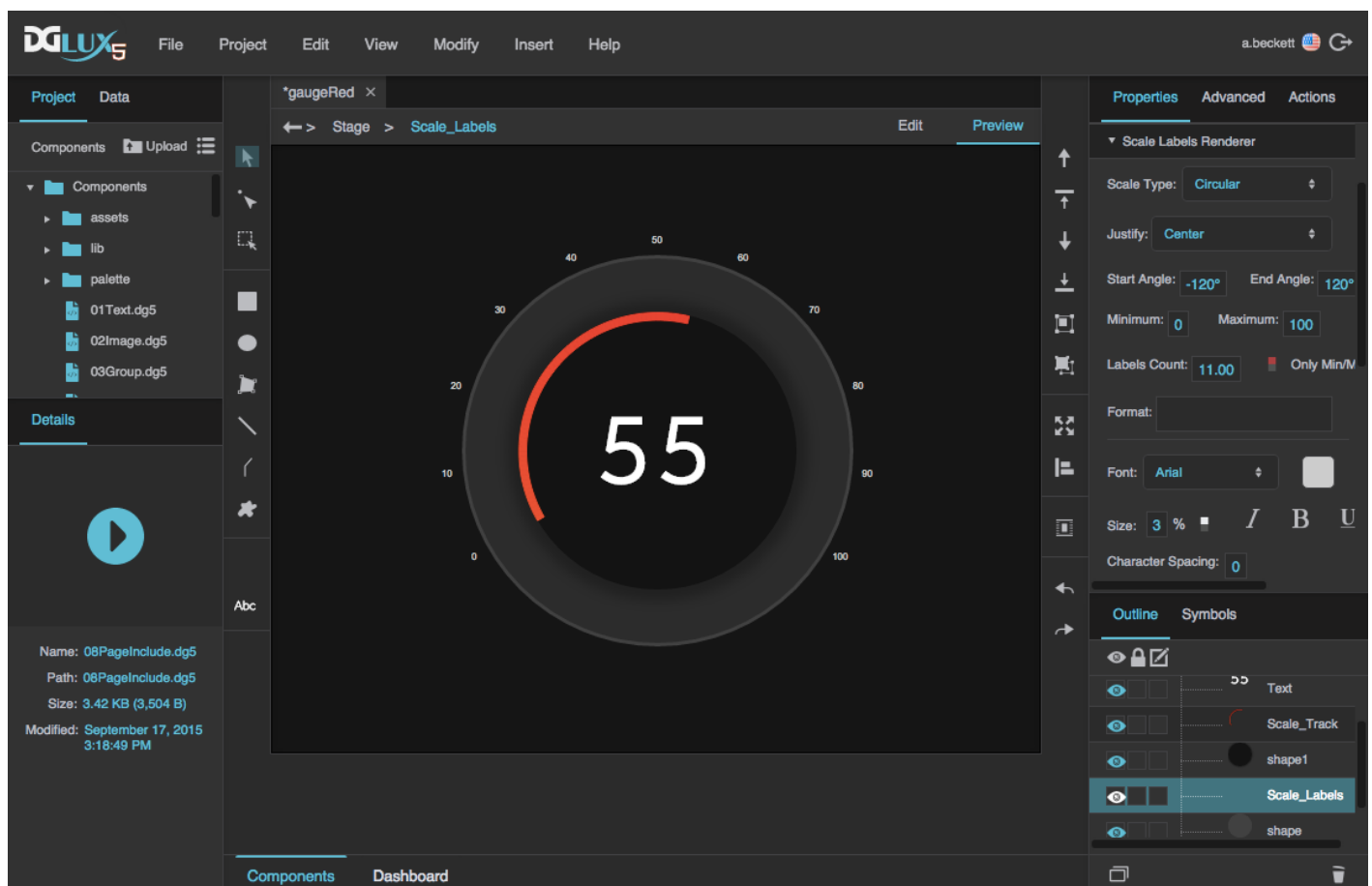
Scale Labels

The scale labels component is a set of numerical labels arranged in a circular or linear configuration. You can use it when building a gauge widget.

To use this component, first you insert it by selecting **Insert > Gauge > Scale Labels**. Then, you configure style and behavior using properties. You can customize the start angle and end angle, the number of labels, the number format, the font styling, and other properties.

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 scale labels 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](#).

The image shows three screenshots of the software's properties panel, each with a different tab selected:

- Scale Ticks Renderer properties:** Shows settings for 'Circular' scale type, 'Inside' ticks placement, start/end angles of -120° and 120°, radius of 70.00%, major ticks count of 11, and minor ticks count of 2.
- Scale Labels Renderer properties:** Shows settings for 'Circular' scale type, 'Center' justify, start/end angles of -120° and 120°, radius of 80.00%, minimum of 0, maximum of 100, labels count of 11, and font set to Arial.
- Scale Track Renderer properties:** Shows settings for 'Linear' scale type, left/right padding of 0, start/end thickness of 2 px, track fill color, and track placement of 'Inside'.

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

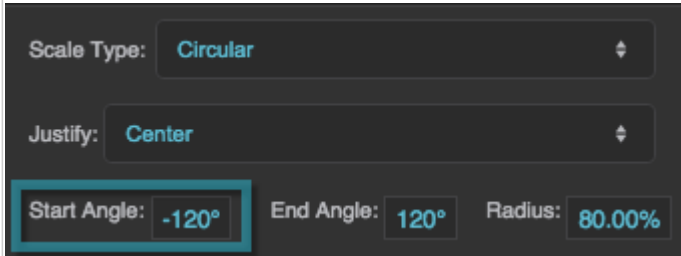
Specifies whether the shape of the scale is defined by a circle or a straight line.

The screenshot shows the 'Scale Type' property set to 'Circular'. Below it, the 'Justify' property is set to 'Center'. At the bottom, the 'Start Angle' is -120°, the 'End Angle' is 120°, and the 'Radius' is 80.00%.

The Scale Type property

Start Angle

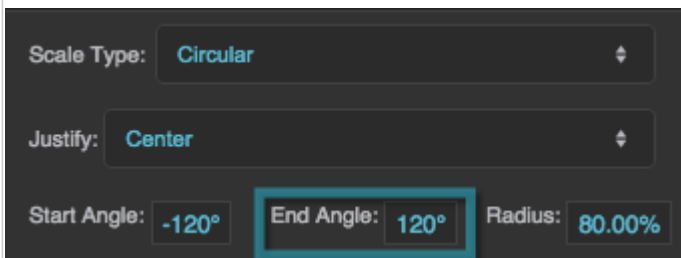
Defines the start angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between -180 and 180 .



The Start Angle property

End Angle

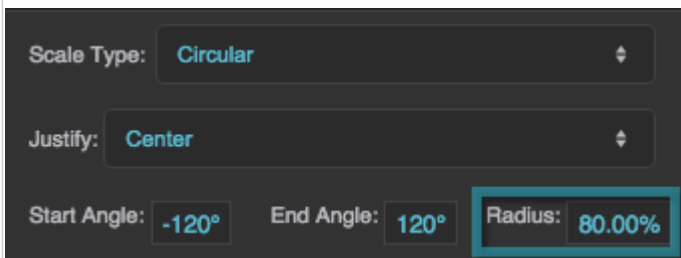
Defines the end angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between -180 and 180 .



The End Angle property

Radius

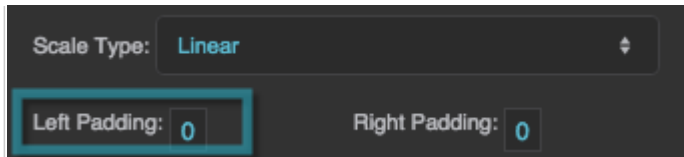
Defines the radius of the circle that defines the scale, as a percentage of either half the width or half the height of the container, whichever is larger.



The Radius property

Left Padding

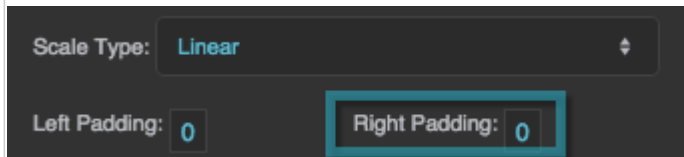
Defines the distance between the left side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See [Borders](#), [Padding](#), and [Content Size](#).



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

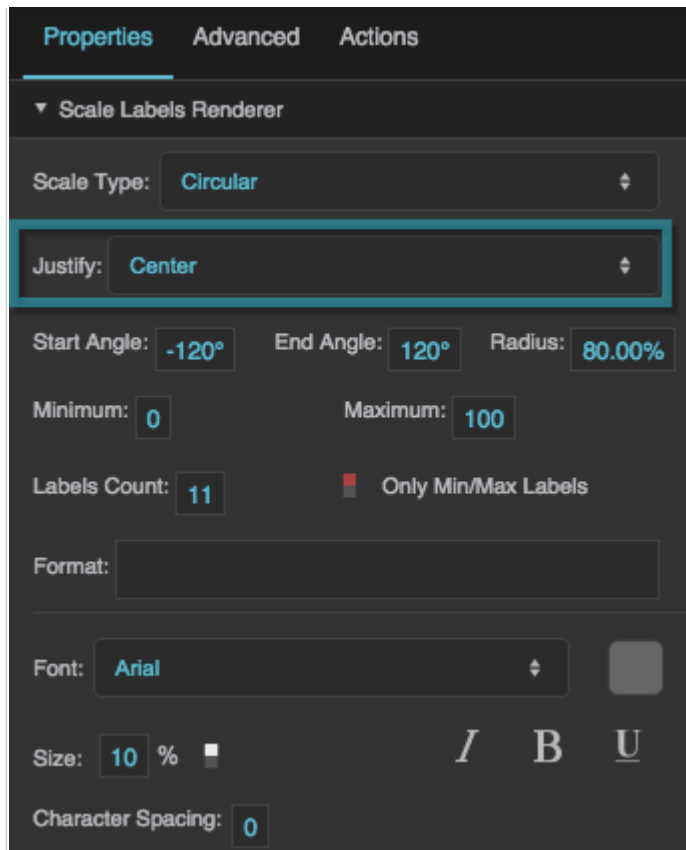
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Scale Labels Renderer Properties

These properties affect a scale with number labels.

Justify

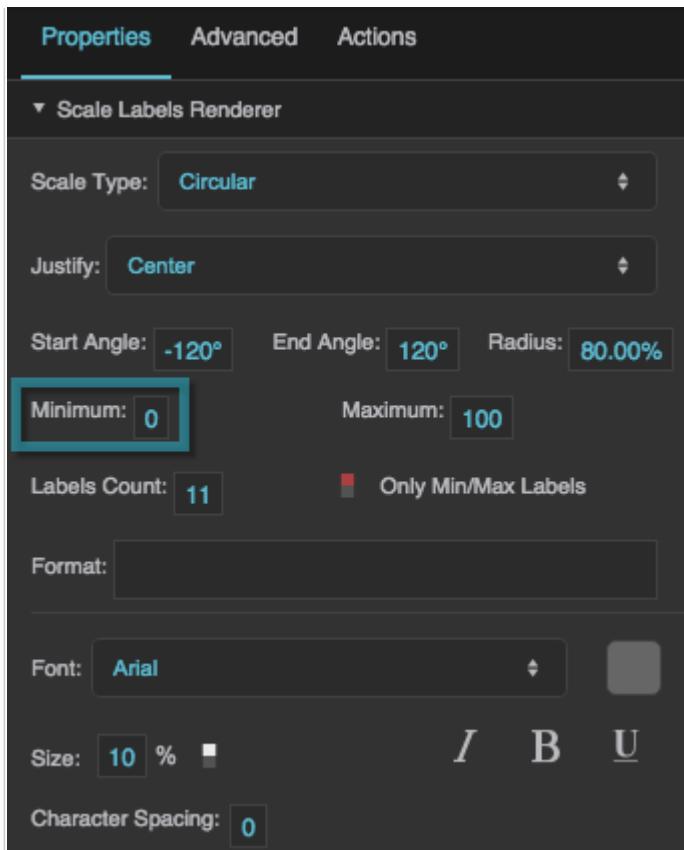
Specifies whether the labels appear on the inside, outside, or center of the circle or line that defines the scale.



The Justify property

Minimum

Defines the lowest number on the scale.



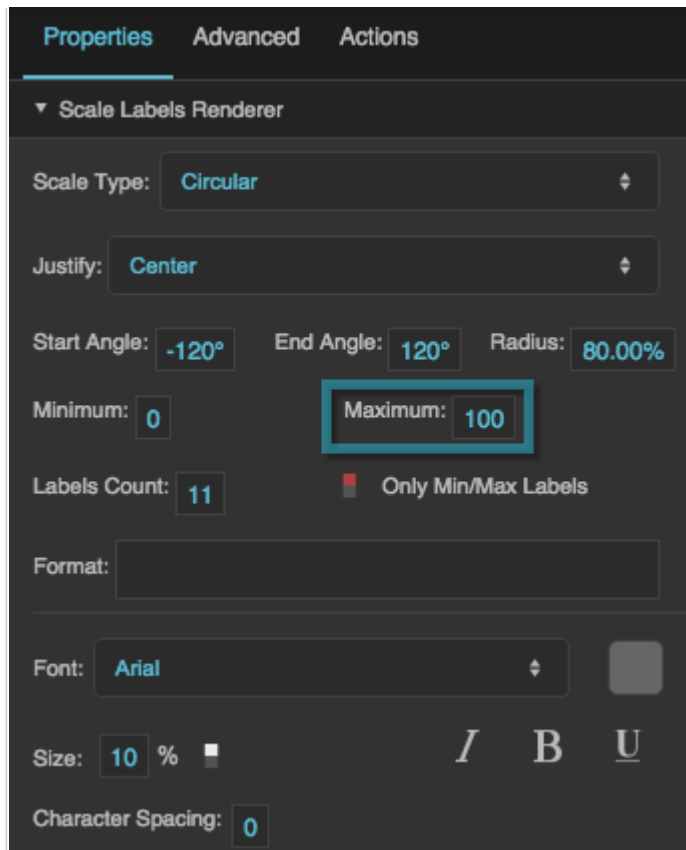
The screenshot shows a dark-themed software interface with a 'Properties' tab selected. Under the 'Scale Labels Renderer' section, the following settings are visible:

- Scale Type: Circular
- Justify: Center
- Start Angle: -120°
- End Angle: 120°
- Radius: 80.00%
- Minimum: 0 (highlighted with a red box)
- Maximum: 100
- Labels Count: 11
- Only Min/Max Labels:
- Format: (empty text box)
- Font: Arial
- Size: 10 %
- Character Spacing: 0

The Minimum property

Maximum

Defines the highest number on the scale.



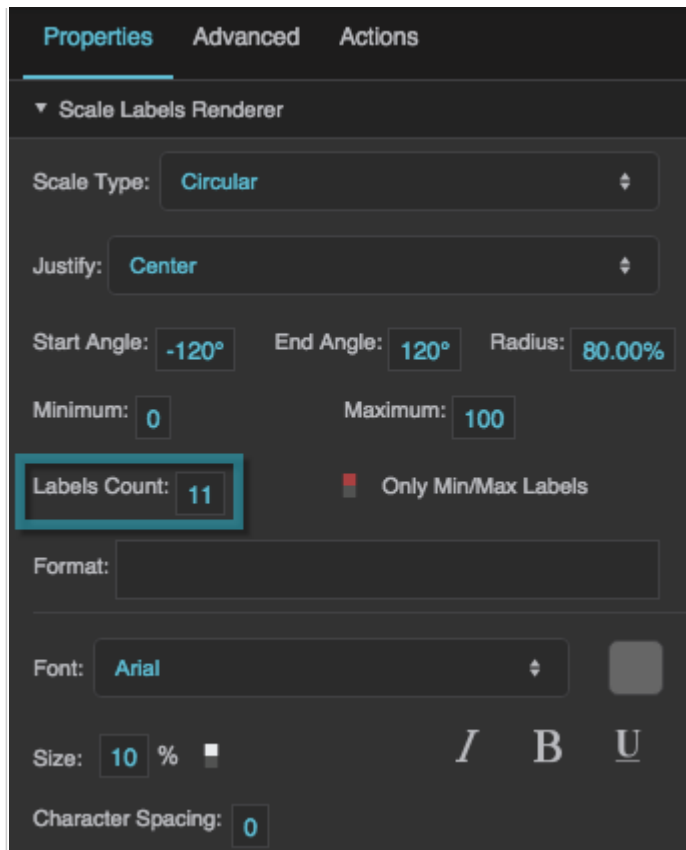
The screenshot shows a dark-themed properties panel for a 'Scale Labels Renderer'. The panel has three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Under the 'Properties' tab, the following settings are visible:

- Scale Type: Circular
- Justify: Center
- Start Angle: -120°
- End Angle: 120°
- Radius: 80.00%
- Minimum: 0
- Maximum: 100 (highlighted with a red box)
- Labels Count: 11
- Only Min/Max Labels:
- Format: (empty text box)
- Font: Arial
- Size: 10 %
- Character Spacing: 0

The Maximum property

Labels Count

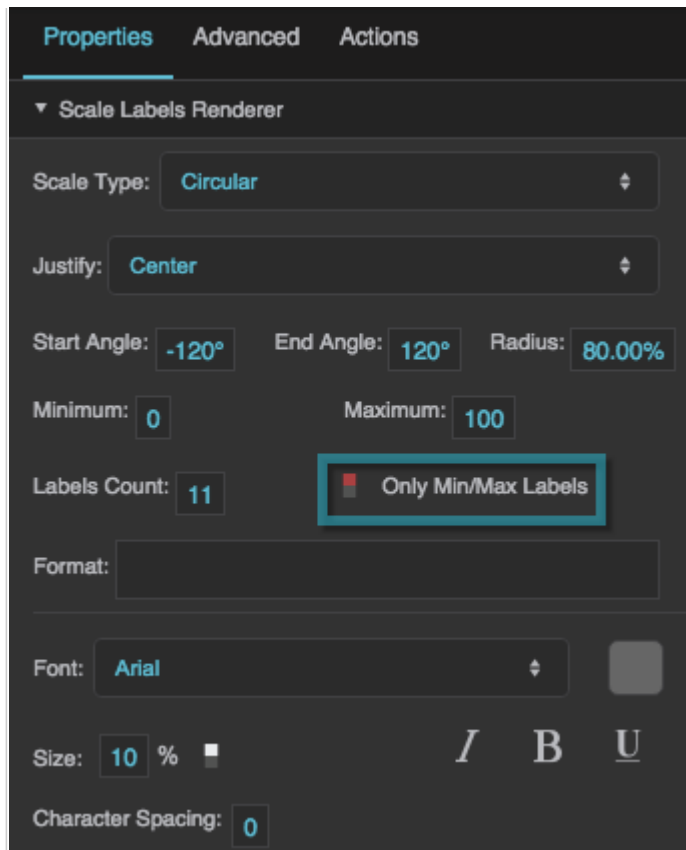
Defines the total number of labels along this scale. Must be an integer greater than or equal to 2. The **Only Min/Max Labels** property overrides this property.



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

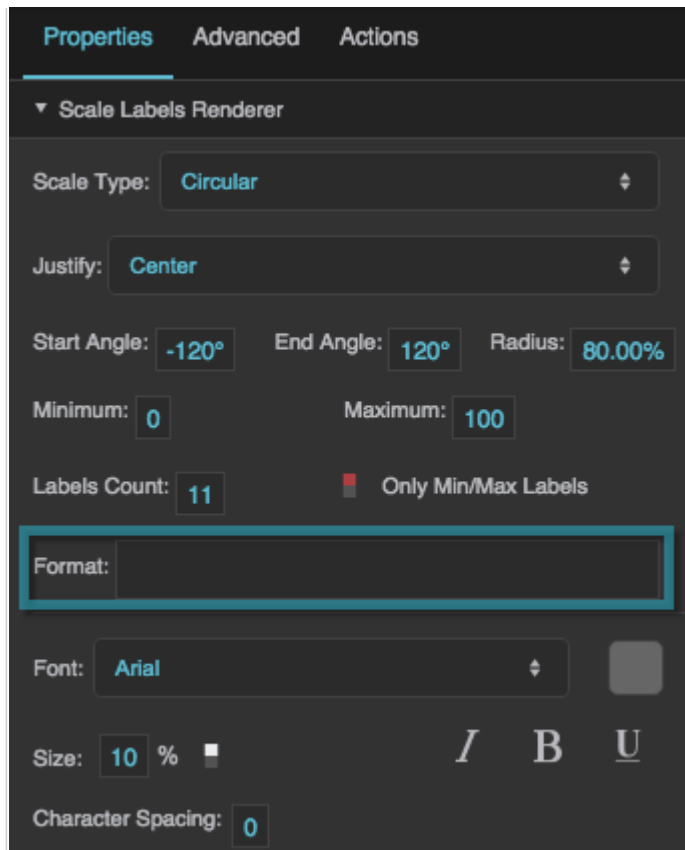
Format

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.

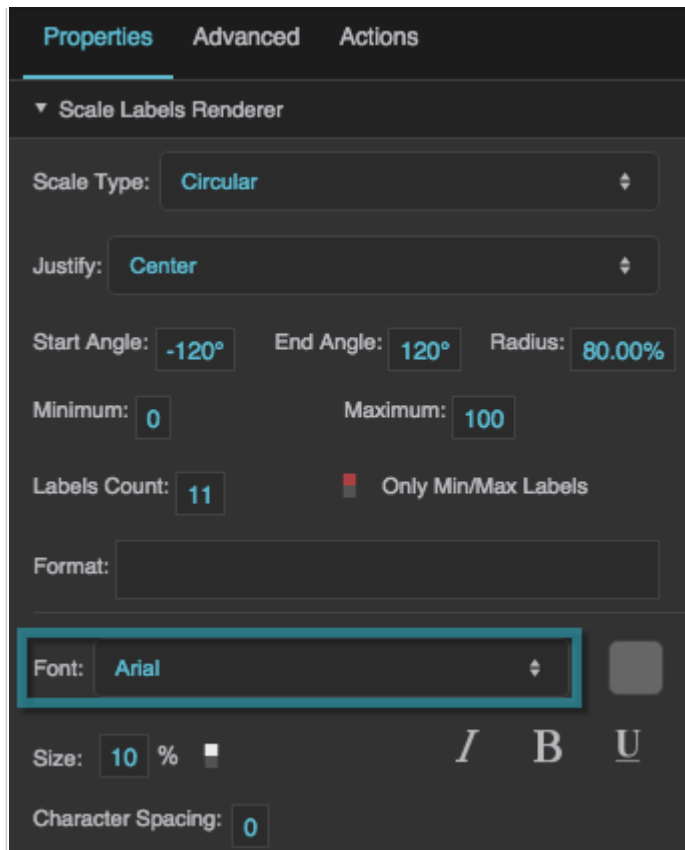
For more information about supported formatting options, see [Scripting and Syntax](#).



The Format property

Labels Font

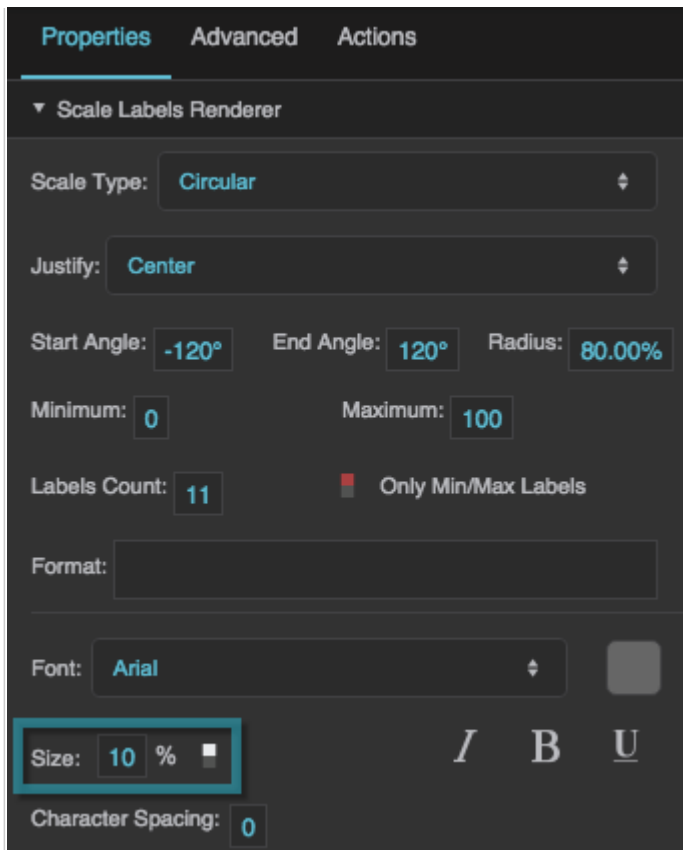
Defines the font used for the labels along this scale. To add a font to this project and use it for this property, see [Text Component Properties](#).



The Font property

Labels Size

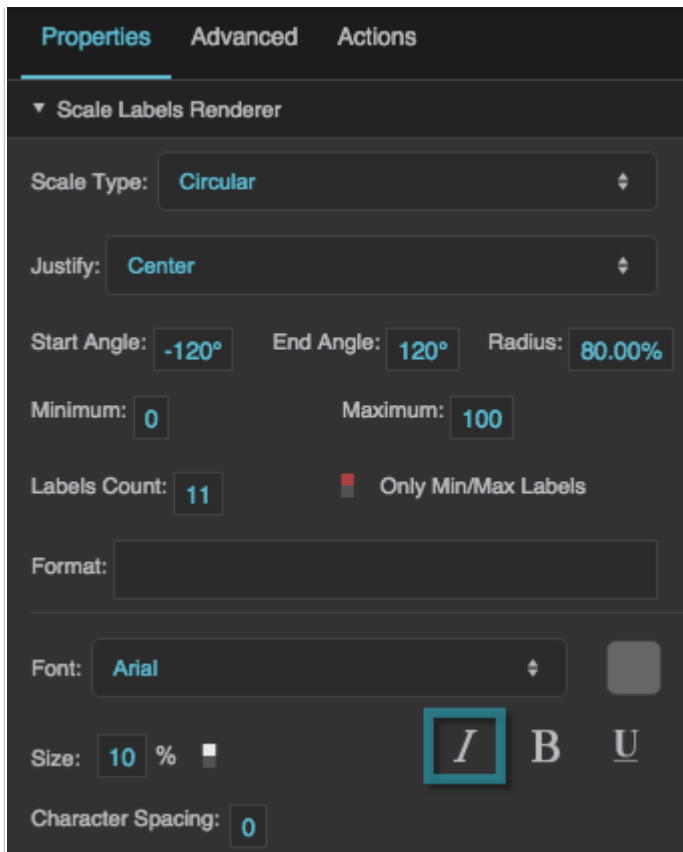
Defines the height of the scale numbers, as a pixel value or percentage. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



The Labels Size property

Italic

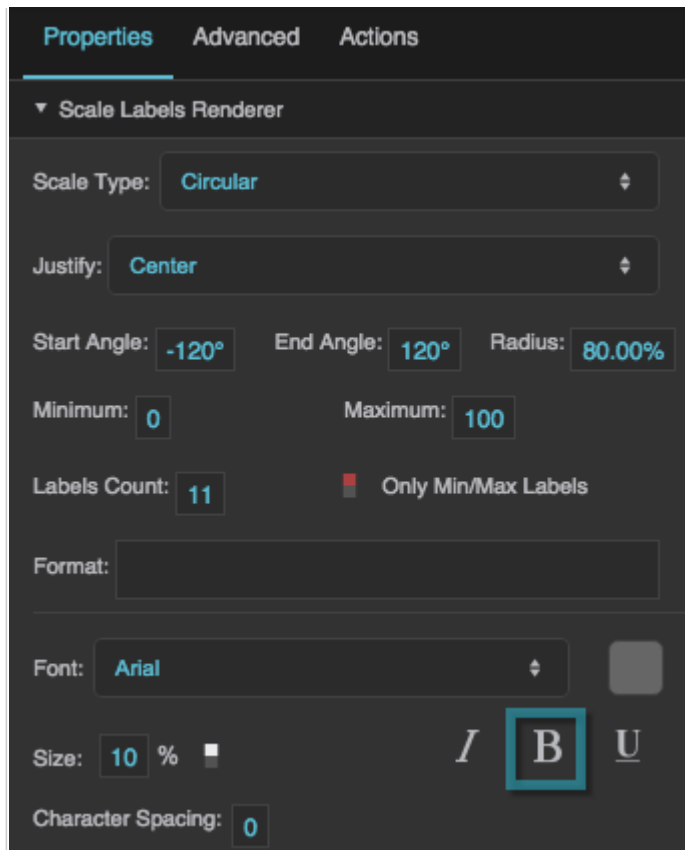
Defines whether the labels along this scale are italic.



The Italic property

Bold

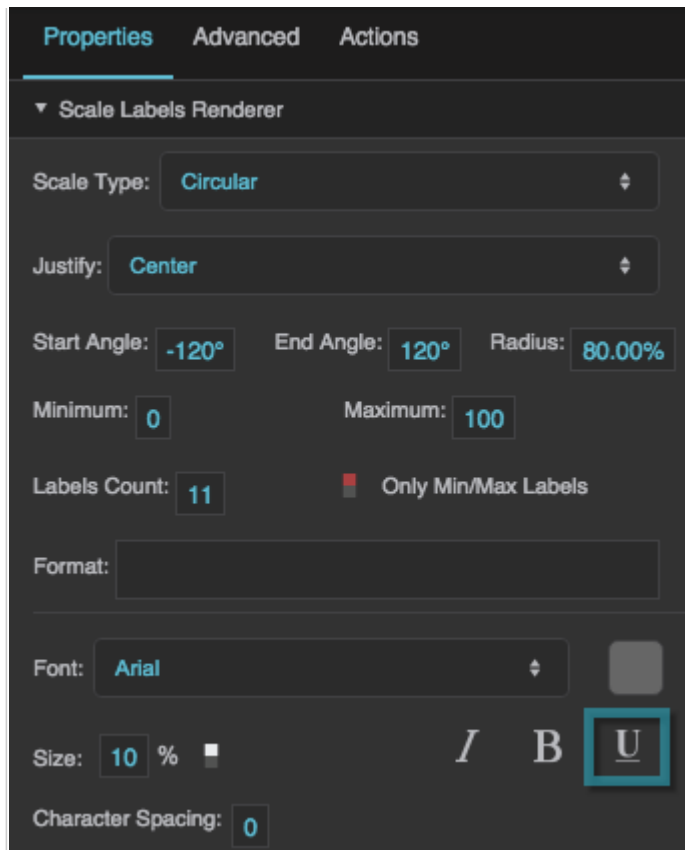
Defines whether the labels along this scale are bold.



The Bold property

Underline

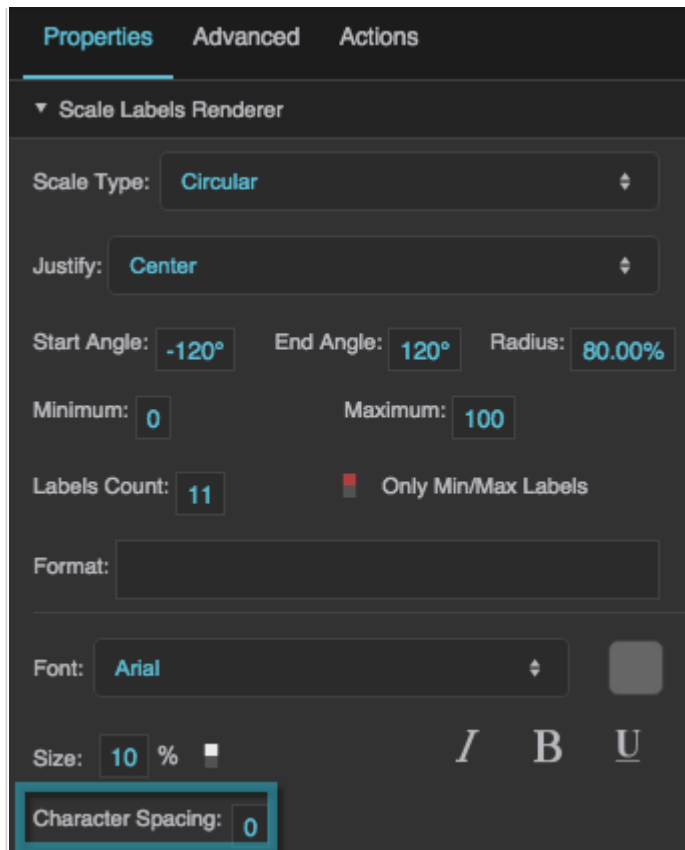
Defines whether the labels along this scale are underlined.



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 screenshot shows the 'Scale Labels Renderer' properties panel. The 'Character Spacing' property is highlighted with a red box and has a value of 0. Other visible properties include Scale Type (Circular), Justify (Center), Start Angle (-120°), End Angle (120°), Radius (80.00%), Minimum (0), Maximum (100), Labels Count (11), and Font (Arial). There are also buttons for Italic (I), Bold (B), and Underline (U).

The Character Spacing property

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