

C&T: Data Series

A data series section is set up for every dimension and KPI that has been created in your component (also see [general options](#)).

It offers options that are available in the [Formula Editor](#).

The Data Series configurations differ a lot for different components.

For this reason, we strongly recommend to conduct the component's chapter, to know which options are available and relevant for a successful configuration.

Component options

Data series: Month(Last Changed on ["EKPO"."AEDAT"])

DATA SERIES OPTIONS

Series name

Month(Last Changed on ["EKPO"."AEDAT"])

ROUND_MONTH(["EKPO"."AEDAT"])

f(x)

FORMATTING

Predefined formats

Date:year-month (Y-

Formatting formula

%Y-%m

Documentation

Units

Done

This screenshot shows the Data Series options that are available for all components.

At the top of this section, you may change the **Series name**. This is the name that is displayed in the dimension section, the KPI section and the sorting section in the [general options](#).

DATA SERIES OPTIONS

Series name

Months

Translate

ROUND_MONTH("EKKO"."AEDAT")

$f(x)$

$f(x)$

Furthermore, you can alter the KPI statement. Click on the small icon () on the right corner to edit the statement in the [Formula Editor](#).

Please refer to the [Dimensions & KPIs](#) chapter for further explanations.

In this section, you can alter your [Value Formatting](#).

The following option is only available for [OLAP Tables](#):

You can color the content of the table, as well as the background.

COLORING TABLE

Text color

Pick color...

Text Color mapping

Pick a color mapping...

Background color

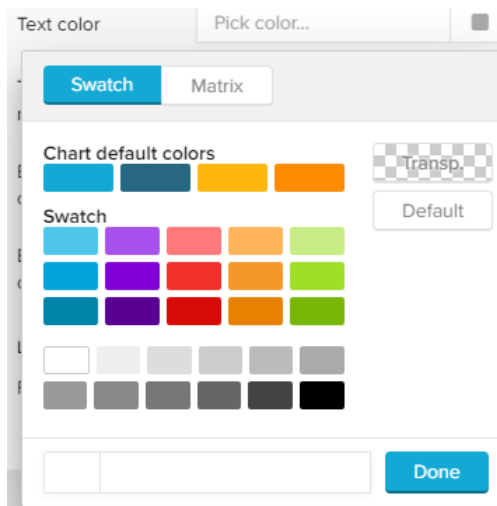
#ef7d23

Background color mapping

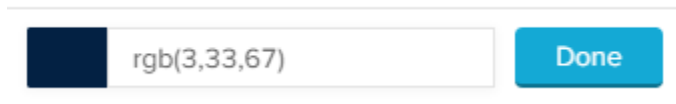
Pick a color mapping...

For both, you can either select a single color or apply a color mapping rule.

If you wish to color the table's content or the background in the **same color**, pick a color in the *Text color* or the *Background color* field.



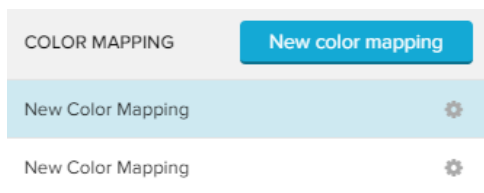
If you wish to insert a custom css color, you can use the field in the lower row.

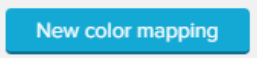


This method allows text - or background coloring according to different criteria.

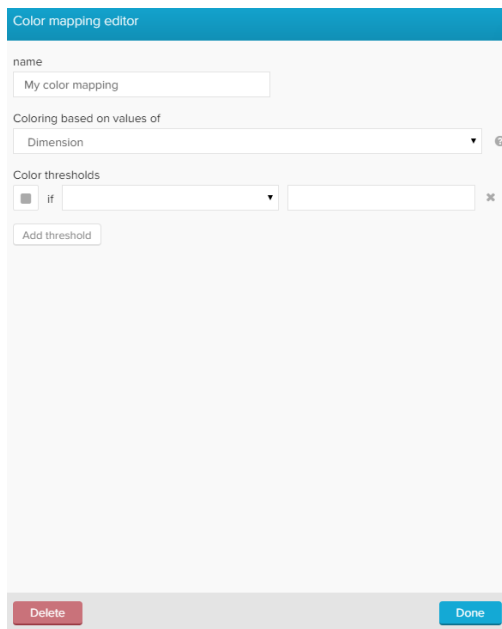
For example, critical values can be highlighted with a different color.

Click on the small  icon to get started!



To add a new color mapping, click on  in the upper right corner.

The following **color mapping editor** will open:

The image shows a 'Color mapping editor' window. At the top, there's a blue header with the text 'Color mapping editor'. Below it, the 'name' field contains 'My color mapping'. The 'Coloring based on values of' dropdown is set to 'Dimension'. Under 'Color thresholds', there's a list with one item: a small square icon, the word 'if', a dropdown menu, and an empty text input field. An 'Add threshold' button is below this list. At the bottom, there are 'Delete' and 'Done' buttons.

Color mapping editor

name

My color mapping

Coloring based on values of

Dimension

Color thresholds

if

Add threshold

Delete Done

First, let's give our new color mapping a **title** in the upper text-field.

You can furthermore choose coloring based on values of *Dimensions* or *Series* (which is selected by default).

Dimension color rules will be applied on the dimensions, Series color rules will be applied to the KPIs.

We need to define **color thresholds**.

For each threshold we can specify a comparison function as well as the actual threshold value.

Let's examine the following example:

We want to color all materials which occur at least 2000 times blue, all materials occurring less than 200 times but more than 1000 times yellow, and all other materials (less than 1000) in black.

The following threshold settings need to be made:

Color mapping editor

name

My color mapping

Coloring based on values of

Series

Color thresholds

if

Less than

1000

✕

if

Greater than/equal

1000

✕

if

Greater than/equal

2000

✕

Add threshold

Delete

Done



Sorting sequence

SAP Process Mining by Celonis 4.2 prioritizes color threshold settings which have been added recently.

To prevent any coloring overlaps, we strongly recommend to start with the lowest number of cases.

The following options are only available for charts, that offer linear axis:

- [Column Chart](#)
- [Line Chart](#)
- [Area Chart](#)
- [Scatter plot](#)
- [Bubble plot](#)

You can display this data series either in your [primary value axis](#) or in your [secondary value axis](#) with the Axis dropdown menu.

Axis

Secondary Axis

Primary Axis

Secondary Axis

Alternative type



KPIs only

Please note, that this section is only available for KPIs, as dimensions are displayed in the x-axis.



KPIs only

Please note, that this section is only available for KPIs, as dimensions are displayed in the x-axis.

You can color the graph (series color) with the following options:

COLORING AREA

Series color 

Series color mapping 

Opacity 71%

You can choose between a (single) series color, a series palette and a color mapping.

If you wish to color your graph in **one single color**, pick a color in the *series color* field.

Swatch **Matrix**

Chart default colors

Swatch



COLORING AREA

Series color 

If you wish to insert a custom css color, you can use the field in the lower row.

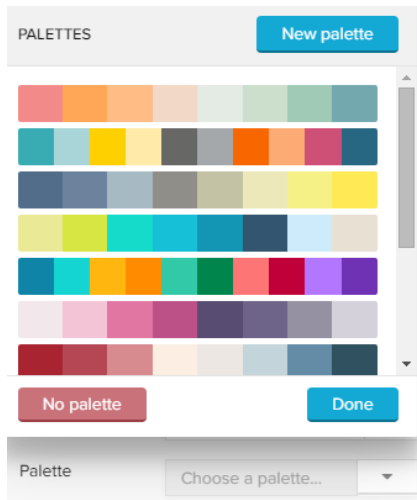
 

You can use a palette to color your graph in **different colors**.

SAP Process Mining by Celonis 4.2 comes with a set of pre-defined palettes, which can be accessed with the small

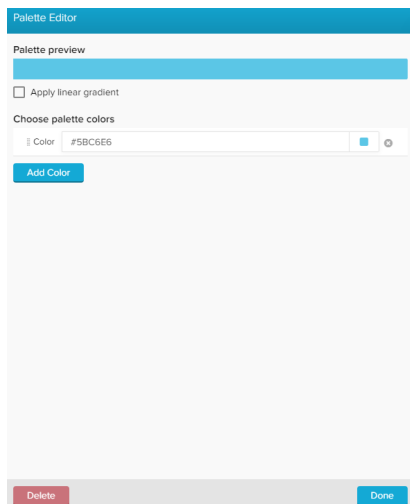


icon next to the *series palette* field.

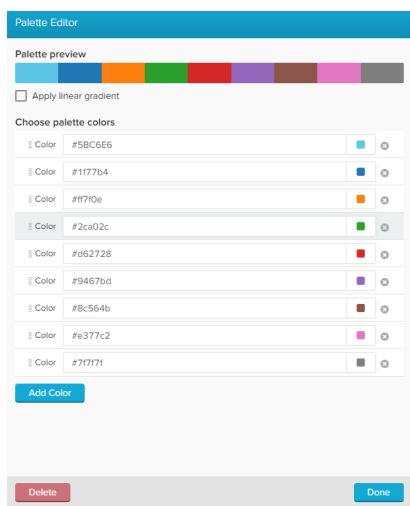


Choose any palette and click on *Done*, or choose *New palette* to define a **custom palette**.

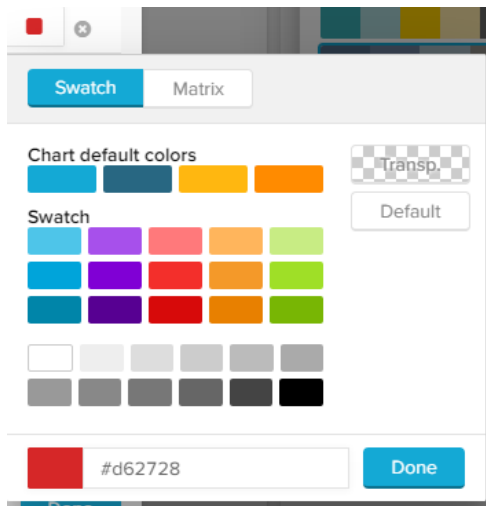
The palette editor will show up:



Click on  to add up to 20 colors!



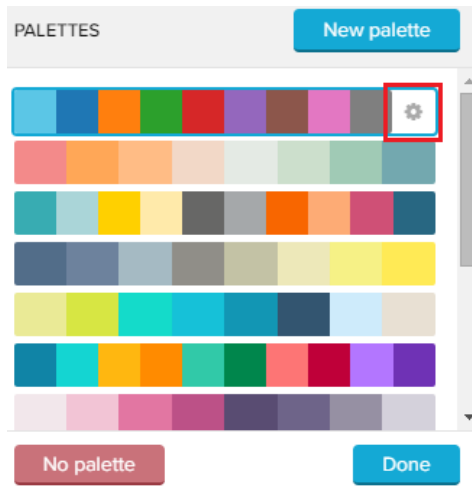
You can edit each color by clicking on the small colored square next to each color:



You can furthermore add a **linear gradient** to your palette. This will split your selected colors up into 20 gradient colors, which fade linear between two colors.

Don't forget to apply your palette with .

Your new palette has now been added, and can be edited with the small icon next to your custom palette:



While editing a palette, you can **delete** it by clicking on .

This method allows (multiple) coloring according to different criteria.

For example, critical values can be highlighted with a different color.

Click on the small  icon to get started!

COLOR MAPPING New color mapping

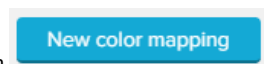
New Color Mapping ⚙

New Color Mapping ⚙

No color mapping

Done

New color mapping

To add a new color mapping, click on  in the upper right corner.

The following **color mapping editor** will open:

Color mapping editor

name
My color mapping

Coloring based on values of
Dimension ⓘ

Color thresholds
☐ if ⌵ ×

Add threshold

Delete Done

First, let's give our new color mapping a **title** in the upper text-field.

You can furthermore choose coloring based on values of *Dimensions* or *Series* (which is selected by default).

Dimension color rules will be applied on the dimensions, Series color rules will be applied to the KPIs.

We need to define **color thresholds**.

For each threshold we can specify a comparison function as well as the actual threshold value.

Let's examine the following example:

In a P2P process, we want to color all materials which occur at least 2000 times blue, all materials occurring less than 200 times but more than 1000 times yellow, and all other materials (less than 1000) in black.

The following threshold settings need to be made:

Color mapping editor

name

My color mapping

Coloring based on values of

Series

Color thresholds

ifLess than1000✕

ifGreater than/equal1000✕

ifGreater than/equal2000✕

Add threshold

Delete

Done



Sorting sequence

SAP Process Mining by Celonis 4.2 prioritizes color threshold settings which have been added recently.

To prevent any coloring overlaps, we strongly recommend to start with the lowest number of cases.

To adjust the opacity of (any) color rule, you can use the opacity slider:

Opacity

71%

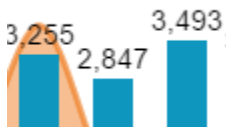


KPIs only

Please note, that this section is only available for KPIs.

To display the value of the data series above the bars in your graph, you can activate data labels with the checkbox *display data labels*.

☐ Display data labels



After activating the checkbox, you can adjust the position of the data labels with the dropdown - menu:

Label Position

top
top
middle
bottom
custom

Furthermore, you can format the labels with the known formatting options (font, size, alignment, highlight, color).

The following options are only available for the following charts:

- [Area Chart](#)
- [Pie chart](#)



KPIs only

Please note, that this section is only available for KPIs, as they determine the relation of the chart entries.

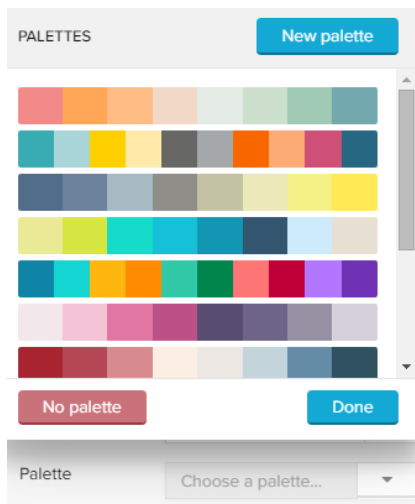
You can color your chart (series color) with the following options:

? Unknown Attachment

You can choose between a (static) series palette and a color mapping.

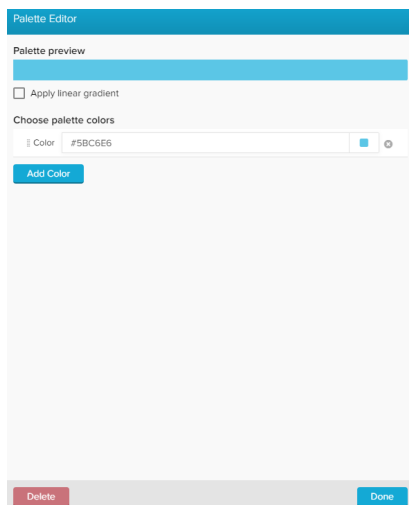
You can use a palette to color your graph in **different colors**.

SAP Process Mining by Celonis 4.2 comes with a set of pre-defined palettes, which can be accessed with the small  icon next to the *series palette* field.

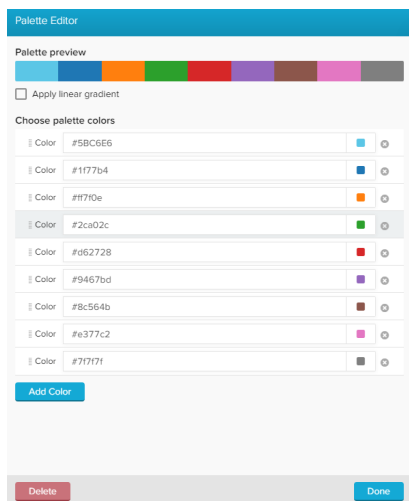


Choose any palette and click on *Done*, or choose *New palette* to define a **custom palette**.

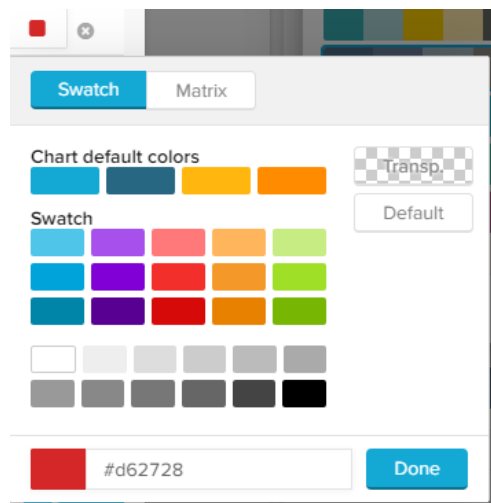
The palette editor will show up:



Click on  to add up to 20 colors!



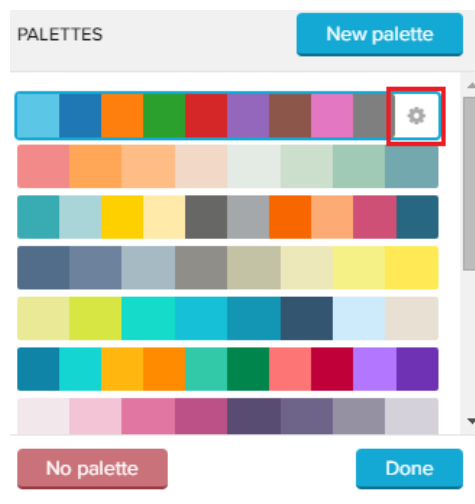
You can edit each color by clicking on the small colored square next to each color:



You can furthermore add a **linear gradient** to your palette. This will split your selected colors up into 20 gradient colors, which fade linear between two colors.

Don't forget to apply your palette with .

Your new palette has now been added, and can be edited with the small icon next to your custom palette:



While editing a palette, you can **delete** it by clicking on .

This method allows (multiple) coloring according to different criteria.

For example, critical values can be highlighted with a different color.

Click on the small  icon to get started!

COLOR MAPPING

New color mapping

New Color Mapping

⚙

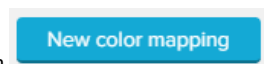
New Color Mapping

⚙

No color mapping

Done

New color mapping

To add a new color mapping, click on  in the upper right corner.

The following **color mapping editor** will open:

Color mapping editor

name

My color mapping

Coloring based on values of

Dimension

ⓘ

Color thresholds

☐ if

x

Add threshold

Delete

Done

First, let's give our new color mapping a **title** in the upper text-field.

You can furthermore choose coloring based on values of *Dimensions* or *Series* (which is selected by default).

Dimension color rules will be applied on the dimensions, Series color rules will be applied to the KPIs.

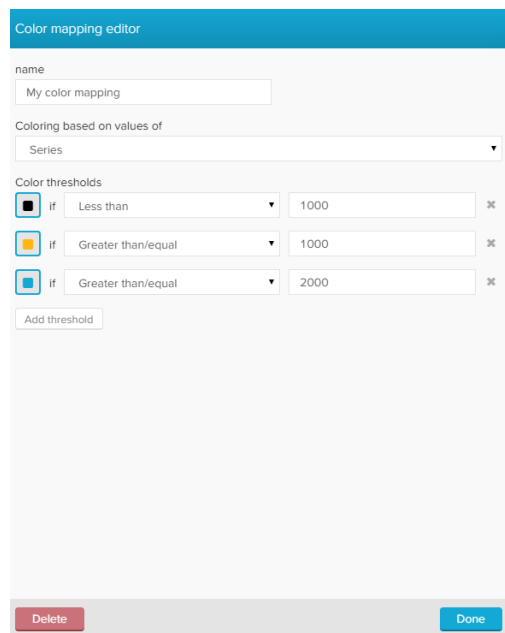
We need to define **color thresholds**.

For each threshold we can specify a comparison function as well as the actual threshold value.

Let's examine the following example:

In a P2P process, we want to color all materials which occur at least 2000 times blue, all materials occurring less than 200 times but more than 1000 times yellow, and all other materials (less than 1000) in black.

The following threshold settings need to be made:



The image shows a 'Color mapping editor' window. It has a title bar 'Color mapping editor' in blue. Below it is a 'name' field with the text 'My color mapping'. Underneath is a section 'Coloring based on values of' with a dropdown menu showing 'Series'. Below that is a section 'Color thresholds' with three rows. Each row has a color swatch, a condition 'if', a comparison operator, and a value. The first row has a black swatch, 'if', 'Less than', and '1000'. The second row has a yellow swatch, 'if', 'Greater than/equal', and '1000'. The third row has a blue swatch, 'if', 'Greater than/equal', and '2000'. Each row has a delete icon (X) to its right. Below the thresholds is an 'Add threshold' button. At the bottom are 'Delete' and 'Done' buttons.

Color	if	Operator	Value	Action
Black	if	Less than	1000	Delete
Yellow	if	Greater than/equal	1000	Delete
Blue	if	Greater than/equal	2000	Delete



Sorting sequence

SAP Process Mining by Celonis 4.2 prioritizes color threshold settings which have been added recently.

To prevent any coloring overlaps, we strongly recommend to start with the lowest number of cases.

To adjust the opacity of (any) color rule, you can use the opacity slider:



The image shows an 'Opacity' slider. It has a label 'Opacity' on the left, a blue slider knob on a horizontal track, and the value '71%' on the right.

The following, additional options are available:

Activate this option to display value labels in your chart area.

? Unknown Attachment

? Unknown Attachment

This option requires visible labels!

If you displayed a lot of entries in your chart area, you might only be interested in value labels for all entries above a certain threshold.

With this option, you can set such a threshold.

Activate the *Set count limit* checkbox and enter your desired threshold in the text field:

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In this example, labels will only be shown if their kpis are greater then the count limit. According to your kpi settings, 3 might also refer to "3.000". Activate this option to display the relative share of each entry (%) in your chart area.

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? Unknown Attachment
