

Working with color variables

In CODESYS the transparency is transferred as a byte in addition to the color values (RGB).

A simple example shows the allocation:

Devices

Farbwerte

Device [connected] [CODESYS Control Win V3]

PLC Logic

Application [run]

Library Manager

PLC_PRG (PRG)

Task Configuration

MainTask

PLC_PRG

VISU_TASK

VisuElems_Visu_Prg

Visualisierungsmanager

TargetVisu

WebVisu

Visualization

Visualization

PLC_PRG x

Device

Device:Application.PLC_PRG

Expression	Type	Value	Prepared value	Address	Comment
byTransparency	BYTE	16#FF			
byRed	BYTE	16#B6			
byGreen	BYTE	16#6A			
byBlue	BYTE	16#2F			
diColor	DINT	16#FFB66A2F			

1

2

3

4

5

diColor[16#FFB66A2F] := SHL (byTransparency[16#FF], 24) + SHL (byRed[16#B6], 16) + SHL (byGreen[16#6A], 8) + byBlue[16#2F];

RETURN

Here, the input bytes are set with sliders and the resulting color value is transferred to the rectangle:

Transparency

Red

Green

Blue