Style

For any map and map type, you can define the map style using the style assistant. There are several ways to start this assistant:

- In the X-Plorer by selecting the map of interest and clicking the style $\stackrel{\text{sel}}{=}$ icon.
- You can also select multiple maps, the settings will then be applied to all selected maps.
- If a map is already opened and displayed through the **Style** option in the project manager.
- By a right click on the map and choosing the option **Style** in the pop-up menu.

The style option window includes three tabs, General, Overlay and Vector map.

General

Style Maps	? 💌
Allgemeine Optionen für diese Karte	
Allgemein Overlay Vektorkarte Online-Karten GIS	
Karten Optionen	
Hintergrund Übersichtskarte	
Load Bmp, Jpg, Png, Tif partially	
Open with TatukGis	
Aktuelle Ansicht als Standardansicht einstellen	
G 🕑 🗌 Voransicht in Karte Abbruch Übernehmen	ОК

Background overview map	This will load a copy of the map in reduced resolution as a backenvironment. Especially in the 3D display, this will avoid white patches when reprocessing the map. On te other hand this will require more memory and updating the map will be slower.
Load Bmp, Jpg, Png partially	Loads the specified raster map types only partially, so that even very large maps can be processed.

Open with TatukGis	The cards with the Takut Libary be opened. Some formats QV uses to open other modules. If the same function as import map as "GIS map".			
Store actual display as standard map style	Enabling this option will define the actual map style and display as the default when opening this specific maps. This option is only available if a map is currently displayed.			
	Using these buttons you can load the previous or next map from the X-Plorer list and edit its style. This is especially useful to modify the style of consecutive maps in the list. This option is only available when Style has been choosen beforehand.			
Map preview	If enabled, each style modification will be displayed immediately in the map display. This is especially useful when setting the map transparency for map overlays or for controlling the style modifications of vector map layouts.			
Escape	This will close the assistant without storing the settings.			
Apply	This will save the setings without closing the assistant.			
ОК	This will save the settings and close the assistant.			

Overlay

Style Maps - GoogleSatellite	8 23			
Overlay Optionen wählen				
Allgemein Overlay Vektorkarte Online-Karten GIS				
Color Allgemeine Transparenz der Karte: 0 None D Full				
Toleranz 3				
Sichtbarkeit entsprechend Maßstab - Nur anzeigen, wenn Maßstab zwischen				
und fem liegt, 1:				
G S Voransicht in Karte Abbruch Übernehmen	ОК			

Under this tab you specify how the map will be displayed if used as an overlay on other maps. This refers mainly to transparecy charactersitics.

Transparent Color	Choose a color which should be transparent by clicking <i>Color</i> and enetering the RGB values. By enetering a <i>Tolerance</i> value, you specify how accuratly a specific color must be meat. Example: If the RGB values (250,250,250) are specified as color which should be transparent and a tolerance value of "5" is specified, QV will make all RGB values between (255,255,255) and (245,245,245) look transparent. This function is especially useful for truecolor bitmaps.
	Using this slider you can make the whole color spectrum of the map transparent. Any degree of transparency can be adjusted.

<u>Remark:</u> In order to adjust this quickly and comfortably, make sure that you have the map displayed as overlay and that the **Map preview** function is enabled!

Vector map

Under this tab you can define the map style for vector maps like NAVTEQ and Garmin IMG maps. For raster maps, this tab is without function.

Style Maps - QV-Map Navteq 2012 Deutschland Truck		
Eigenschaften für das Layout von Vektorkarten einstellen		
Allgemein Overlay Vektorkarte Online-Karten G	IS	
Allgemein POIs Linien Flächen Bes	schriftungen	
	MV endertheme:	
	T_XX_OpenAndroMaps Radfahren	
Allg. Faktor Linienbreite 1,0 🛬 General factor fontsize 1,0 🛬	Edit Reload	
Render in hoher Qualität		
G Voransicht in Karte Abbr	uch Übernehmen OK	

Multiplier POIs	Specifies the size of POI symbols for map display. All POIs will be treated the same.
Render in nign	Will plot streets and polygons using an antialias algorithm and wil thus increase the map display quality. However, this function may result in a loss of performence with slower PCs and should be disabled in such cases.

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Under this tabe you will find subcategories for *General*, *POIs*, *Lines*, *Plygons* and *Labels*. You will find various options to define how the different vector map elements should be plotted.

General

Style Maps - QV-Map Navteq 2012 Deutschland Truck			
Eigenschaften für das Layout von Vektorkarten einstellen			
Allgemein Overlay Vektorkarte Online-Karten GIS			
Allgemein POIs Linien Flächen Beschriftungen			
Allg. Faktor POIs			
Allg. Faktor Layerzoom 1.0 Rendertheme: RT_XX_OpenAndroMaps Radfahren			
Allg. Faktor Linienbreite 1,0 🚔			
General factor fontsize			
General factor fontsize			
G S Voransicht in Karte Abbruch Übernehmen OK			

POIs

Style Maps -	Navteq	_2009_q4			? 💌
Eigenschaften für das Layout von Vektorkarten einstellen					
Allgemein	Overlay	Vektorkarte	Online-Karten	1	
Allgemein	POIs	Linien	Flächen	Beschriftungen	
Symbol	1	Beschriftung			Größenfaktor 1,0 📥
	0000	Poi	Ausfahrt	Ξ	Bitmap Datei
	0001	Poi	Bahnhof		C:\Program Files (x86)\Q
	0002	Poi			
	0003	Poi			
🛛 🖉 着	0004	Poi	Kirche		
	0005	Poi	Parkplatz		
(0006	Poi	Tourist Info	-	V Label Poi -
🚱 💽 🛛 Voransicht in Karte 🛛 Abbruch Übernehmen 🛛 OK					

Lines

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Style Maps - Navteq_2009_q4	? 💌
Eigenschaften für das Layout von Vektorkarten er Allgemein Overlay Vektorkarte Online-Karten Allgemein POIs Linien Flächen Beschriftungen	einstellen
Symbol Beschriftung Beschreibung Image: OODA Autobahn Autobahn Image: OO14 Bundesstrasse Bundesstrasse Image: OO1E Landstrasse Landstrasse Image: OO28 Kreisstrasse Hauptstrasse Image: OO32 none Nebenstrasse Image: OO32 none Weg	✓ Umrandung Breite 10 ◆ Solid ▼ Color ✓ Füllung Breite 8 ◆ Solid ▼ Color ✓ Solid ▼ Color ✓ ✓ Label Autobahn ▼
G S Voransicht in Karte Abbruch Überne	ehmen OK

Polygons

Style Maps - Navteq_2009_q4	? <mark>×</mark>			
Eigenschaften für das Layout von Vektorkarten einstellen				
Allgemein Overlay Vektorkarte Online-Karten				
Allgemein POIs Linien Flächen Beschriftungen				
Symbol Beschriftung Beschreibung Image: Construction of the symbol 03E8 none Wasserflächen Image: Construction of the symbol 03F2 none Wald Image: Construction of the symbol 03FC none Park Image: Construction of the symbol 0406 none Stadtgebiet Image: Construction of the symbol 0410 none Hintergrund	 Umrandung Breite Solid Color Füllung Füllung Füllung Vordergrund Hintergrund Label Autobahn 			
S Voransicht in Karte Abbruch Übernehmen OK				

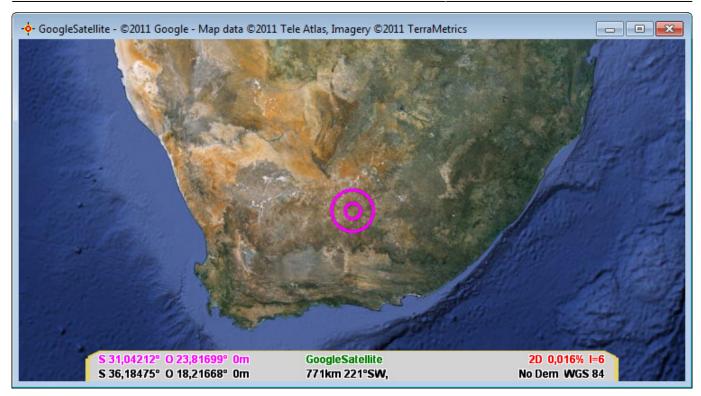
Labels

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Style Maps - Navteq_2009_q4	? —————————————————————————————————————	
Eigenschaften für das Layout von Vektorkarten einstellen		
Allgemein Overlay Vektorkarte Online-Karte	ten	
Allgemein POIs Linien Flächen	Beschriftungen	
Name		
Autobahn	Arial	
Bundesstrasse	Fett Hintergrund	
Landstrasse	Unterstrichen Kein Kursiv Umrandung	
Kreisstrasse	Größe 10 🗢 O Ausgefüllt	
City big	Box	
City medium	Position Color	
City small	Offset X: 0 Y: 0 V	
Willage	Ausrichtung MiddleCenter -	
Willagemedium	Als Textur Gedreht	
Strassenname	-	
G 🕑 🔲 Voransicht in Karte	Abbruch Übernehmen OK	

Online-Maps

Online maps are based on many bitmap tiles, which are equal in size, normally 256×256 pixels, and are loaded automatically from the server of the online maps accordingly to the actual display and the zoom. The zoom-level is determined from QV automatically and is displayed in the atatus bar during actualization phase:



Example Zoom-Level 6



Example Zoom-level 12

QV is saving the bitmap tiles in a cache in the hard drive, so that you do not have to load them each time. At the image regeneration QV is seaching in this cache firstly, if the needed tile was eventualle already loaded and then picked up, which is naturally faster, as if you have to load them from the internet.

Per zoom-level the number of the tiles are quadrupled. If the example zoom-level 6 exists also of four tiles, the same map section in zoom-level 12 would exist already of 16384 tiles. The data quantity is

raising very quickly. On this tab **Online-maps** you can execute several functions with the cache:

Style Maps - GoogleSatellite	? ×
Options of Onlinemaps	
General Overlay Vectomap Onlinemaps	
Use offline Make current view available offline at level:	
Tiles to download at selected level: 6	
Use only from cache, dont go online	
Clear cache	
Cancel Apply changes	ок
G Preview in map Cancel Apply changes	

For e.g. travel preparation, you can download these tiles in different zoom levels, which you need for a special region. After that you can work in this map section also without internet. Please open the online map, choose the prefered area and then zoom option you need. QV shows you, how many tiles it would be. Choose then start for the download.

A progress bar shows you the process of the action. You can interrupt everytime and continue later. All of what was loaded, is in the cache and has not to be loaded again.

Note: To fill the cache, the map has to be open. To delete the cache, the map has to be closed.

Note: Most of the online-server do not allow mass downloads and will stop the opportunity sooner or later. Because of that this function is limited to 2000 tiles per action and you can choose only one zoom-level per action. You should know that for large downloads your IP-address will be closed by the service-provider and opened only after a certain time.

Location of the cache

Every online-map has its own cache, totally independent from other online-maps. The cache is not based on one special file, but consists of a register, which has the same name as the assoziated map. Alle Cache-Ordner liegen im Verzeichnis QuoVadis 6_Data\Onlinemaps.

With the button **Empty the cache...** the cache file of the map can be deleted. A new one will be created automatically at the next opening. This is useful, when you for example like to have always

the latest tiles of the OSM-maps, which are dynamically grow.

In the QV-Xplorer you can also choose another path for the cache of the map. Simply register at the button **Path** the requested path.

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This file and its whole content can also copied to another pc, for example to do your travel preparations at your home pc and then transfer the cache at your notebook for the trip.

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