Carto CSS key words and examples

# Map

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| background-color | background-color: #a0cfeb; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| background-image |  |  |  |
| background-image-comp-op |  |  |  |
| background-image-opacity |  |  |  |
| srs |  |  |  |
| buffer-size |  |  |  |
| base |  |  |  |
| font-directory |  |  |  |

# Point

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| point-file | point-file: Icons\amenitypharmacy.16.png; | Not support absolute paths. |  |
| point-allow-overlap |  |  |  |
| point-ignore-placement |  |  |  |
| point-opacity |  |  |  |
| point-placement |  |  |  |
| point-transform |  |  |  |
| point-comp-op |  |  |  |

# Line

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| line-color | line-color: #FF0000; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| line-color: argb(255,255,0,0); |
| line-color: Red; |
| line-width | line-width: 5; | float. |  |
| line-opacity | line-opacity: 0.5; |  |
| line-join | line-join: Round; | Case insensitive.  **Values:**  ***Round****,* ***Bevel****,* ***Miter****, MiterClipped.*  (underline value is same with CartoCSS.) | C:\Users\Alice Xie\Desktop\IMG_07082017_165755_0.png |
| null | C:\Users\Alice Xie\Desktop\IMG_07082017_165755_0.png |
| line-cap | line-cap: Round; | Case insensitive.  **Values:**  *Flat,* *AnchorMask, ArrowAnchor, Custom, DiamondAnchor,* ***Round****, NoAnchor, RoundAnchor,* ***Square****, SquareAnchor, Triangle.*  (underline value is same with CartoCSS.) |  |
| line-cap: Square; |  |
| line-cap: Triangle; |  |
| line-gamma |  |  |  |
| line-gamma-method |  |  |  |
| line-dasharray |  |  |  |
| line-miterlimit |  |  |  |
| line-clip |  |  |  |
| line-simplify |  |  |  |
| line-smooth |  |  |  |
| line-offset |  |  |  |
| line-rasterizer |  |  |  |
| line-geometry-transform |  |  |  |
| line-comp-op |  |  |  |

# Line Pattern

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| line-pattern-file | line-pattern-file: Icons\highwayoneway.16.png; | Not support absolute paths. |  |
| line-pattern-clip |  |  |  |
| line-pattern-simplify |  |  |  |
| line-pattern-simplify-algorithm |  |  |  |
| line-pattern-smooth |  |  |  |
| line-pattern-offset |  |  |  |
| line-pattern-geometry-transform |  |  |  |
| line-pattern-comp-op |  |  |  |

# Polygon

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| polygon-fill | polygon-fill: green; | Case insensitive.  #RGB or color names.  Support ***argb, border, texture*** functions. |  |
| polygon-fill: #008000; |
| polygon-fill: argb(255,0,128,0); |
| polygon-fill: border(yellow, green); |  |
| polygon-fill: texture(Percent80, yellow, green); |  |
| polygon-opacity |  |  |  |
| polygon-gamma |  |  |  |
| polygon-gamma-method |  |  |  |
| polygon-clip |  |  |  |
| polygon-simplify |  |  |  |
| polygon-simplify-algorithm |  |  |  |
| polygon-smooth |  |  |  |
| polygon-geometry-transform |  |  |  |
| polygon-comp-op |  |  |  |

# Text

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| text-name | text-name: name; | Case insensitive.  The column name of the database table. |  |
| text-face-name | text-face-name: Verdana, Italic; | Case insensitive.  **Values 1:**  *Arial, Calibri, Cambriam Candara … …*  **Values 2:**  *Regular, Bold, Italic, Underline, Strikeout.* |  |
| text-face-name: Verdana; |  |
| text-face-name: Verdana, Bold; |  |
| text-size | text-size: 6; | float. |  |
| text-ratio | text-ratio: 0; | float. |  |
| text-ratio: 50; |  |
| text-fill | text-fill: red; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| text-fill: #FF0000; |
| text-fill: argb(255,255,0,0); |
| text-opacity | text-opacity:0.5; | float. |  |
| text-halo-fill | text-halo-fill: #FFFFFF; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| text-halo-fill: #000000; |  |
| text-halo-radius | text-halo-radius: 1; | float. |  |
| text-halo-radius: 10; |  |
| text-dx | text-dx: 0; | float. |  |
| text-dx: -20; |  |
| text-dy | text-dx: 0; | float. |  |
| text-dx: 20; |  |
| text-avoid-edges | text-avoid-edges: true; | Case insensitive.  **Values:** true, false. |  |
| text-allow-overlap | text-allow-overlap: true; | Case insensitive.  **Values:** true, false. |  |
| text-allow-overlap: false; |  |
| text-align | text-align: CenterLeft; | Case insensitive.  **Values:**  *CenterLeft, CenterRight, Center, UpperLeft, UpperCenter, UpperRight, LowerLeft, LowerCenter, LowerRight.* |  |
| text-align: CenterRight; |  |
| text-align: Center; |  |
| null |  |
| text-placement |  |  |  |
| text-placement-type |  |  |  |
| text-placements |  |  |  |
| text-transform |  |  |  |
| text-horizontal-alignment |  |  |  |
| text-orientation |  |  |  |
| text-clip |  |  |  |
| text-comp-op |  |  |  |
| text-min-distance |  |  |  |
| text-min-padding |  |  |  |
| text-min-path-length |  |  |  |
| text-vertical-alignment |  |  |  |
| text-halo-rasterizer |  |  |  |
| text-wrap-width |  |  |  |
| text-wrap-before |  |  |  |
| text-wrap-character |  |  |  |
| text-spacing |  |  |  |
| text-character-spacing |  |  |  |
| text-line-spacing |  |  |  |
| text-label-position |  |  |  |
| text-max-char-angle-delta |  |  |  |

# Shield

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| shield-name | shield-name: ref; | Case insensitive.  The column name of the database table. |  |
| shield-face-name | shield-face-name: Verdana, Bold; | Case insensitive.  **Values 1:**  *Arial, Calibri, Cambriam Candara … …*  **Values 2:**  *Regular, Bold, Italic, Underline, Strikeout.* |  |
| shield-face-name: Verdana; |  |
| shield-face-name: Verdana, Italic; |  |
| shield-size | shield-size: 6; | float. |  |
| shield-size: 8; |  |
| shield-fill | shield-fill: #666666; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| shield-fill: red; |  |
| shield-allow-overlap | shield-allow-overlap: true; | Case insensitive.  Values: true, false. |  |
| shield-allow-overlap: false; |  |
| shield-halo-fill | shield-halo-fill: #FFFFFF; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| shield-halo-fill: #000000; |  |
| shield-halo-radius | shield-halo-radius: 5; | float. |  |
| shield-halo-radius: 1; |  |
| shield-text-dx | shield-text-dx: 0; | float. |  |
| shield-text-dx: 10; |  |
| shield-text-dy | shield-text-dy: 0; | float. |  |
| shield-text-dy: 10; |  |
| shield-dx |  |  |  |
| shield-dy |  |  |  |
| shield-opacity |  |  |  |
| shield-text-opacity |  |  |  |
| shield-horizontal-alignment |  |  |  |
| shield-vertical-alignment |  |  |  |
| shield-placement-type |  |  |  |
| shield-placements |  |  |  |
| shield-text-transform |  |  |  |
| shield-justify-alignment |  |  |  |
| shield-transform |  |  |  |
| shield-clip |  |  |  |
| shield-comp-op |  |  |  |
| shield-min-distance |  |  |  |
| shield-spacing |  |  |  |
| shield-min-padding |  |  |  |
| shield-wrap-width |  |  |  |
| shield-wrap-before |  |  |  |
| shield-wrap-character |  |  |  |
| shield-character-spacing |  |  |  |
| shield-line-spacing |  |  |  |
| shield-file |  |  |  |
| shield-unlock-image |  |  |  |
| shield-placement |  |  |  |

# Building

|  |  |  |  |
| --- | --- | --- | --- |
| Key Words | Use Case | Values | Screenshot |
| building-fill | building-fill: yellow; | Case insensitive.  #RGB or color names.  Support ***argb*** function. |  |
| building-fill: green; |  |
| building-fill-opacity | building-fill-opacity: 1; | float. | C:\Users\Alice Xie\Desktop\Capture2.PNG |
| building-fill-opacity: 0.1; | C:\Users\Alice Xie\Desktop\Capture.PNG |
| building-height | building-height: shadow(2,2,2); | Support ***shadow*** function. |  |
| building-height: shadow(5,5,5); |  |

# Custom Methods

|  |  |  |  |
| --- | --- | --- | --- |
| Methods Name | Use Case | Parameters | Range Of Use |
| argb | line-color: argb(255,255,0,0); | **Parameter 1**: int. A.  **Parameter 2:** int. R.  **Parameter 3:** int. G.  **Parameter 4:** int. B. | line-color  polygon-fill  building-fill  background-color  shield-fill  text-fill  text-halo-fill |
| border | polygon-fill: border(yellow, green); | **Parameter 1:** #RGB, color names or argb method. Border color.  **Parameter 2:** #RGB, color names or argb method. Fill color. | polygon-fill  building-fill |
| texture | polygon-fill:  texture(Percent80, yellow, green); | **Parameter 1:**  *Percent05, Percent10, Percent20, Percent25, Percent30, Percent40, Percent50, Percent60, Percent70,Percent75, Percent80, Percent90, Horizontal, Vertical, ForwardDiagonal, BackwardDiagonal, LargeGrid, DiagonalCross, LightDownwardDiagonal, LightUpwardDiagonal,*  *DarkDownwardDiagonal, DarkUpwardDiagonal,*  *WideDownwardDiagonal, WideUpwardDiagonal,*  *LightVertical, LightHorizontal, NarrowVertical, NarrowHorizontal, DarkVertical, DarkHorizontal,*  *DashedDownwardDiagonal, DashedUpwardDiagonal, DashedHorizontal,*  *DashedVertical, SmallConfetti, LargeConfetti,*  *ZigZag, Wave, DiagonalBrick, HorizontalBrick, Weave, Plaid, Divot, DottedGrid, DottedDiamond, Shingle, Trellis, Sphere, SmallGrid, SmallCheckerBoard, LargeCheckerBoard,*  *OutlinedDiamond, SolidDiamond, Min, Max, Cross.*  **Parameter 2:** #RGB, color names or argb method. Fore color.  **Parameter 3:** #RGB, color names or argb method. Back color. | polygon-fill |
| shadow | building-height: shadow(2,2,2); | **Parameter 1:** float. Polygon border width.  **Parameter 2:** float. X offset for shadow.  **Parameter 3:** float. Y offset for shadow. | building-height |

# Color Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ActiveBorder |  | SandyBrown |  | LightGray |  | Honeydew |  |
| Navy |  | GradientActiveCaption |  | WindowText |  | HotPink |  |
| OldLace |  | GradientInactiveCaption |  | Transparent |  | IndianRed |  |
| Olive |  | MenuBar |  | AliceBlue |  | Gainsboro |  |
| OliveDrab |  | MenuHighlight |  | AntiqueWhite |  | Indigo |  |
| Orange |  | ButtonShadow |  | Aqua |  | Khaki |  |
| OrangeRed |  | Salmon |  | Aquamarine |  | Lavender |  |
| Orchid |  | ButtonHighlight |  | Azure |  | LavenderBlush |  |
| PaleGoldenrod |  | YellowGreen |  | Beige |  | LawnGreen |  |
| PaleGreen |  | SeaGreen |  | Bisque |  | LemonChiffon |  |
| NavajoWhite |  | SeaShell |  | WindowFrame |  | LightBlue |  |
| PaleTurquoise |  | Sienna |  | Black |  | LightCoral |  |
| PapayaWhip |  | Silver |  | Blue |  | LightCyan |  |
| PeachPuff |  | SkyBlue |  | BlueViolet |  | LightGoldenrodYellow |  |
| Peru |  | SlateBlue |  | Brown |  | Ivory |  |
| Pink |  | SlateGray |  | BurlyWood |  | Fuchsia |  |
| Plum |  | Snow |  | CadetBlue |  | ForestGreen |  |
| PowderBlue |  | SpringGreen |  | Chartreuse |  | FloralWhite |  |
| Purple |  | ButtonFace |  | Chocolate |  | DarkCyan |  |
| Red |  | SteelBlue |  | Coral |  | DarkGoldenrod |  |
| RosyBrown |  | Teal |  | CornflowerBlue |  | DarkGray |  |
| PaleVioletRed |  | Thistle |  | BlanchedAlmond |  | DarkGreen |  |
| RoyalBlue |  | Tomato |  | Cornsilk |  | DarkKhaki |  |
| Moccasin |  | Turquoise |  | Window |  | DarkMagenta |  |
| MintCream |  | Violet |  | MenuText |  | DarkOliveGreen |  |
| LightSeaGreen |  | Wheat |  | ActiveCaption |  | DarkOrange |  |
| LightSkyBlue |  | White |  | ActiveCaptionText |  | DarkOrchid |  |
| LightSlateGray |  | WhiteSmoke |  | AppWorkspace |  | DarkRed |  |
| LightSteelBlue |  | Yellow |  | Control |  | DarkSalmon |  |
| LightYellow |  | Tan |  | ControlDark |  | DarkSeaGreen |  |
| Lime |  | LightPink |  | ControlDarkDark |  | DarkSlateBlue |  |
| LimeGreen |  | LightGreen |  | ControlLight |  | DarkSlateGray |  |
| Linen |  | SandyBrown |  | ControlLightLight |  | DarkTurquoise |  |
| Magenta |  | MediumTurquoise |  | ControlText |  | DarkViolet |  |
| MistyRose |  | MediumVioletRed |  | ScrollBar |  | DeepPink |  |
| Maroon |  | MidnightBlue |  | Desktop |  | DeepSkyBlue |  |
| MediumBlue |  | MediumAquamarine |  | Highlight |  | DimGray |  |
| MediumOrchid |  | LightSalmon |  | HighlightText |  | GhostWhite |  |
| MediumPurple |  | SaddleBrown |  | HotTrack |  | Gold |  |
| MediumSeaGreen |  | ActiveBorder |  | InactiveBorder |  | Goldenrod |  |
| MediumSlateBlue |  | Cyan |  | InactiveCaption |  | Gray |  |
| MediumSpringGreen |  | DarkBlue |  | InactiveCaptionText |  | Green |  |
| GrayText |  | Crimson |  | Info |  | GreenYellow |  |
| Menu |  | InfoText |  |  |  |  |  |