

# X and Y Scales

```
scale_x_continuous(  
  name = waiver(),           # label - also set by labs  
  breaks = waiver(),         # tick mark label positions  
  minor_breaks = waiver(),   # minor grid lines  
  labels = waiver(),         # tick mark labels (defaults to value)  
  limits = NULL,             # min and max: c(min, max)  
  expand = waiver(),         # padding on limits  
  trans = "identity",        # log, reverse, sqrt, etc.  
  position = "bottom",      # left, right, top, bottom  
  ...)
```

# X and Y Scales

```
scale_x_log10()  
scale_x_reverse()  
scale_x_discrete() # can set labels  
scale_x_date()    # to set date formatting
```