What do the lines and colors mean?
For each measurement, the chart has 5 lines. The line on top represents the 97th percentile. The lines below represent the 75th, 50th and 25th percentile. The line at the bottom represents the 3rd percentile. See chart below that shows this.

What do the percentiles mean?
The line for 97th percentile means that 97% of children at that age will have a physical measurement below the line. The line for 75th percentile means that 75% of children have a physical measurement below that line. And so on.

For example, in the chart below, a parent has measured the height of their son and marked it on the chart. The mark shows that their son is taller than 75% of the children at that age, but is shorter than the tallest 3% of children. So if a 100 children were asked...
to stand in line in order of increasing height (shortest being No 1 and tallest being No 100), this child would be somewhere between 75th to 97th in that line.

Remember that the charts are not linear and cannot pinpoint an exact percentile for your child. In this example, even though the mark seems to be 1/3rd of the way from the 75th percentile, it does not mean the child is therefore at the 82nd percentile.

These charts are only for your reference. Do not take any actions, based on your interpretation of these charts. If you have any concerns about your child, discuss them with your pediatrician. Your should rely on your pediatrician to monitor the percentile trends over time and recommend appropriate measures if any.

References

Charts provided by Dr. Kailash N. Agarwal, Healthcare & Research Association for Adolescents, D-115, Sector 36, NOIDA, UP 201 301, adolcare@hotmail.com

Charts from Dr. K N Agarwal, Healthcare & Research Association for Adolescents, Noida

Explanation from www.parentree.in