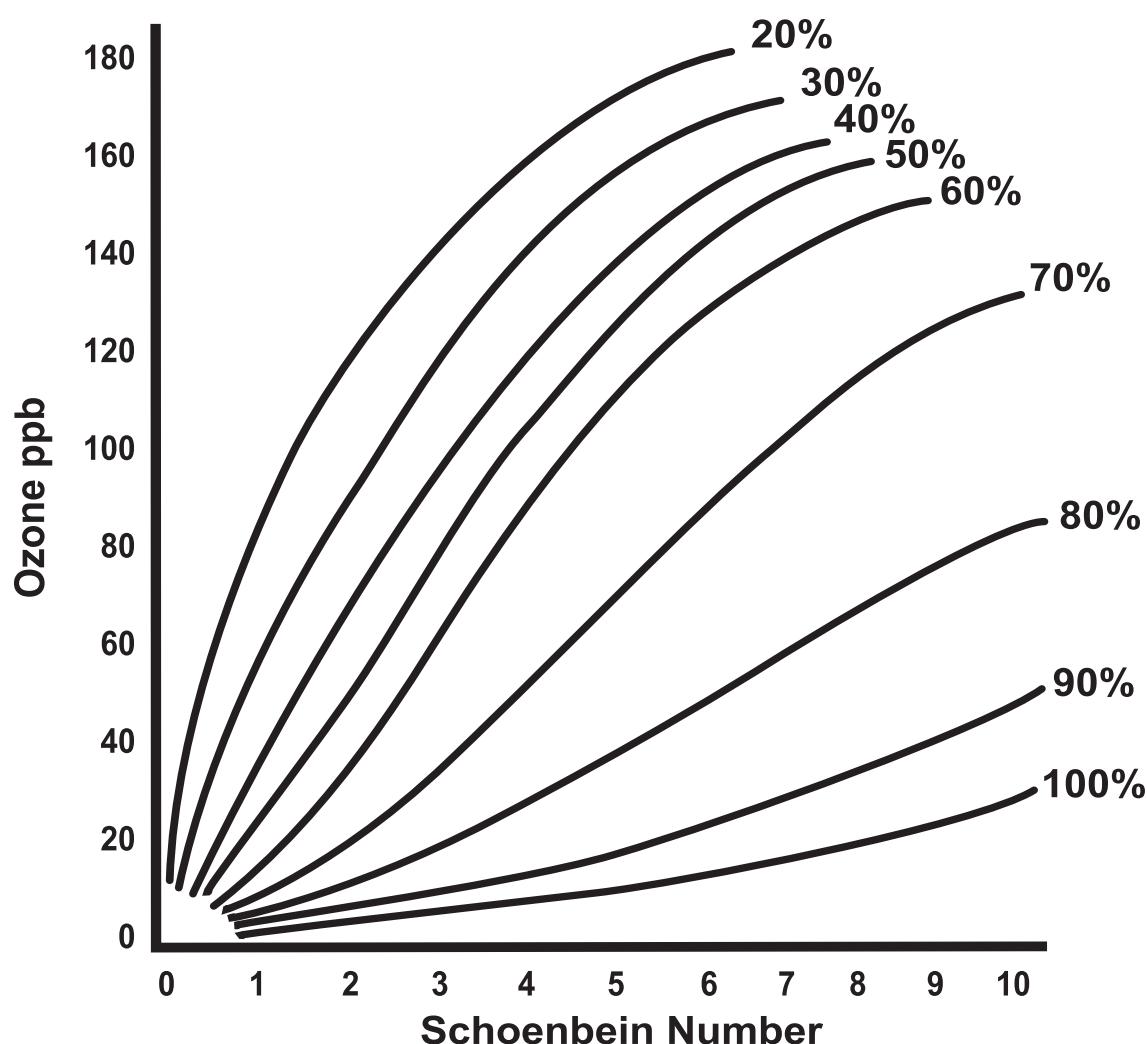


Advanced Interpretation of Schoenbein Paper

The development of color in the Schoenbein Paper is influenced by relative humidity. If you know the relative humidity of the collection site, quantitative readings of ozone can be made. Schoenbein numbers are estimated by using 0 to 3 for little to no change in color, 4 to 6 for a lavender hue, and 7 to 10 for blue or purple. To find the ozone concentration in parts per billion, draw a perpendicular line from the Schoenbein number/relative humidity point of intersection to the left side of the chart.

Relative Humidity Schoenbein Number Chart



Source: University Corporation for Atmospheric Research. *Making and Using Schoenbein Paper*. Retrieved May 25, 2004, from http://www.ucar.edu/learn/1_7_2_29t.htm.