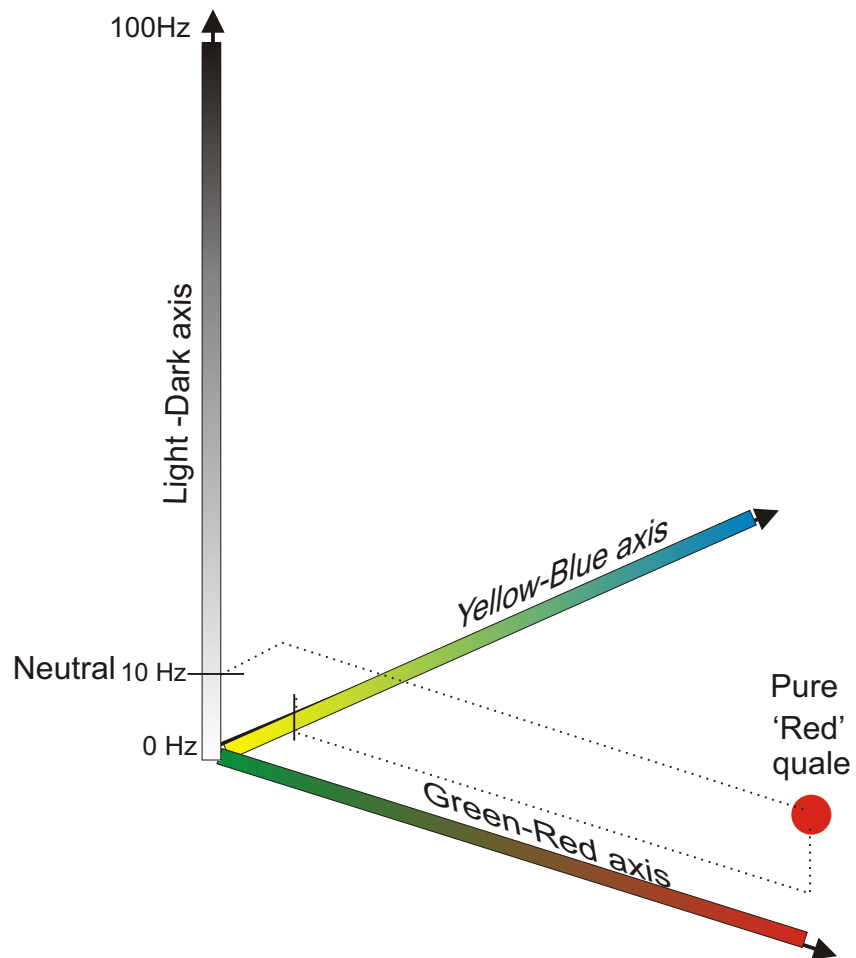


# Color Qualia

Note 7

(See: Edelman - p162)



1. This represents a 3 dimensional neural space. Each axis corresponds to a set of neuronal groups whose firing can vary from 0 (completely inhibited) to 10 Hz (neutral or spontaneous), to 100Hz (maximum firing).
2. The firing rates of the 3 sets of neuronal groups define a 3D space within which each color that can be differentiated by a human being corresponds to a distinct point.
3. The example is for a 'Pure Red' quale.
4. (P164) The Dynamic Core hypothesis states that the general neural processes underlying conscious experience constitute a large and changing functional cluster, which includes a large number of distributed neuronal groups and has a high complexity.
5. The Dynamic Core emerges through rapid reentrant interactions in less than a second and includes distributed portions of the thalamocortical system.
6. The Neural Reference Space for conscious experience (such as color), is not just the above 3 axis sufficient for discriminating between all colors, but the *entire dynamic core*.