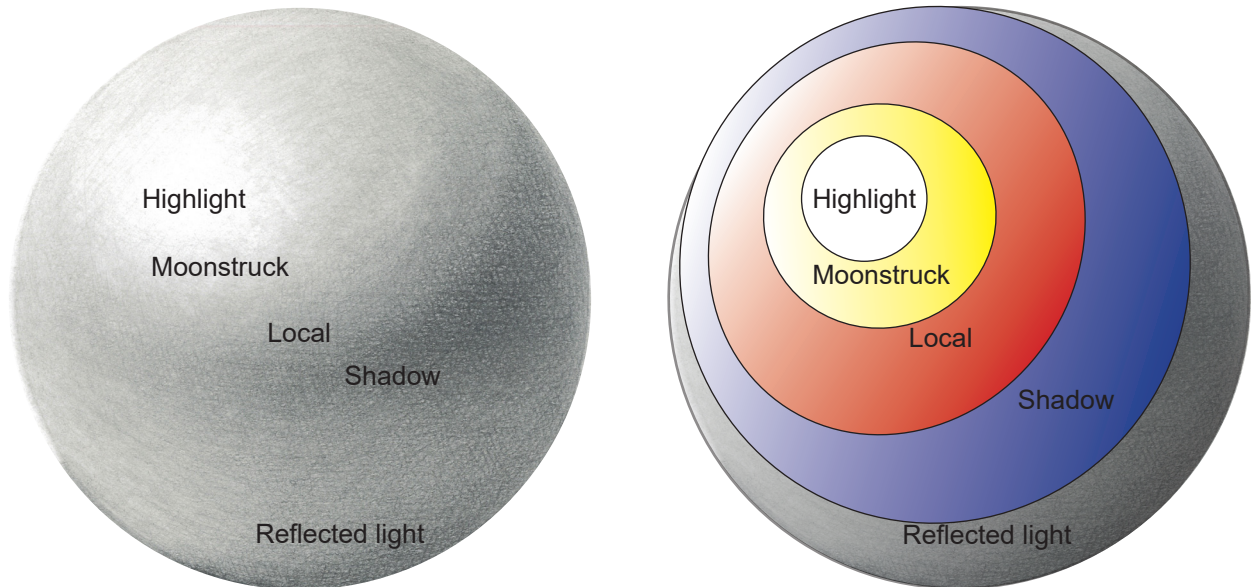


Polychromatic Tonal Study: theorem and practice



To properly light a spherical structure, position the main light source at a 45° angle from the top left to right, over your shoulder. This will create defined transition zones which we can divide into 5 sections.

- **Highlight:** This is the surface area directly facing the light source, typically left free of pigment.
- **Moonstruck:** Refers to the reflection of the light source on the form, which can sometimes blend in with the surrounding edges. Vanadium yellow is recommended for reflect this area.
- **Local:** Represents the centre values of the sphere, with tones increasing as they reach the shadow. Quinacridone red is used for most plant parts, we use 'pretty green' (mix of Cerulean Blue Hue + Vanadium Yellow) for leaves and stems.
- **Shadow:** The darkest part of the object, influenced by reflections from nearby surfaces or materials. Cerulean Blue Hue is recommended for this area.
- **Reflected light:** When light bounces off surfaces, it can illuminate the object with varying colors and values. It is advised to limit the amount of pigment in this area to maintain realism.

	Blue	Yellow	Red	Green for leaves
Highlight				
Moonstruck				
Local				
Shadow				
Reflected Light				

When we start the polychromatic tonal study technique, we begin by assessing the object through a process called terminator separation. This involves categorising areas as either light or dark. We then proceed to delineate the object by identifying dark regions that begin in the shadows and gradually transition into areas of local and reflected light. We therefore start with Cerulean Blue Hue. After painting the shadowed areas, our attention shifts to the light terminator. By carefully identifying and marking out the brightly illuminated areas, we ensure that our highlights remain vibrant and free from excess pigment. It is important to avoid layering Vanadium Yellow over blue, making it helpful to pinpoint moonstruck areas wherever blue hues are present. With both terminators of the subject finished, we can now shift our attention towards enhancing the mid tones or local area. In most cases, it is recommended to use Quinacridone red for the local area. However, when dealing with leaves, we recommend a combination of cerulean blue hue and vanadium yellow, also known as 'pretty green'.