

## COLORS of the RAINBOW

Raw titanium is grey, as many other metals. However, through a process of anodizing, it is possible to obtain a wide range of shades.

This process changes the thickness of the natural oxide layer on the surface of titanium, improving its beauty and its biocompatibility.

Through anodizing, the titanium surface is covered by an oxide film, whose thickness will determine a specific new color, which may range from blue to azure, yellow, pink, violet or green depending on the thickness of the new additional film.

Colours deriving from this process do not depend from any pigment but they are consequent to interference, a phenomenon in physics similar to those giving rise to rainbows, dawns, soap bubbles, butterfly wings, peacock feathers, shells or multicolored tropical fish.

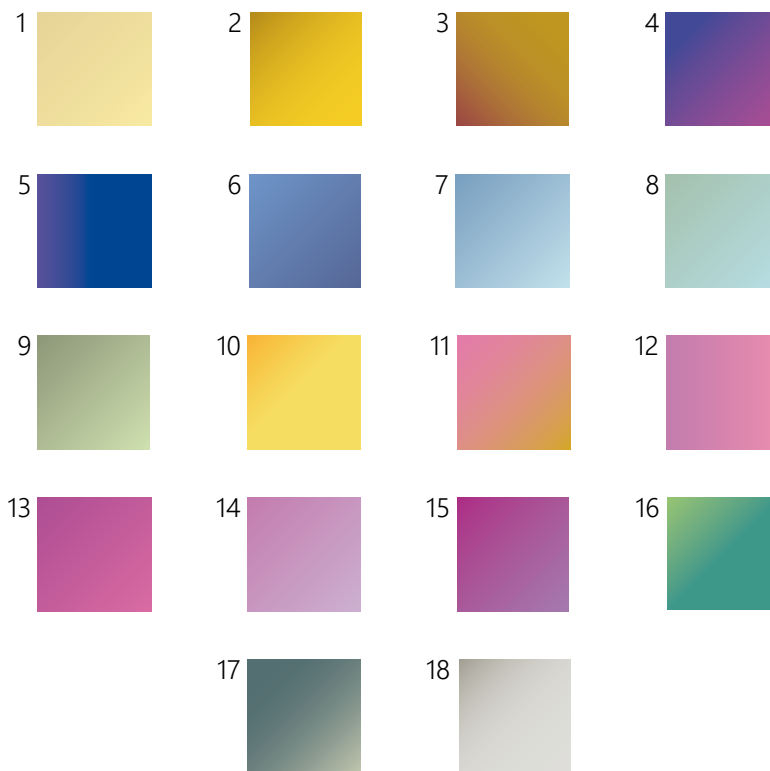
NB: jewel colours may look differently depending on the light (natural or artificial), they can lose brightness due to fingerprints. The lucid or sable like finishings have a great influence on the shade perception.



*Barocco collection*



# TITANIUM OXIDATION CHART



*Ti.Ricamo* collection