

**NATURE'S
PALETTE
COLLECTION**

SHIH-WEN 'ANGELA' CHEN | TYPOGRAPHY & VISUAL DESIGN | SPRING 2016

Nature's Palette Collection

This is a collection of color palettes from nature lifebeings, including most popular orchids (from Smithsonian Gardens orchid Pinterest collection), rarest butterflies in the world, and most poisonous frogs in the world.

I selected 10 species for each palette, and then used their picture (without background) to calculate the color proportions of their flower/wings/skin.

The tool for such calculation is Image Color Summarizer (<http://mkweb.bcgsc.ca/color-summarizer/>) built by Martin Krzywinski. This tool produces descriptive color statistics for an image. Reported will be the average, median, minimum and maximum of each component

of RGB, HSV, LCH and L*a*b*. The color clustering function in this tool shows the representative colors of the image converged by the k-means algorithm.

Beside the palette bars, I assigned a background color for each palette. For orchids, the background is white, indicating the sky. For the butterflies, the background is green, implying leaves — most of the butterflies pictures are they staying on leaves. For the frogs, the background is brown, standing for the earth. It is nature's amazing design that colors these lifeforms beautifully in the background. And I'm glad — and honored — to present these palettes.



Orchid Palette

Selected from “most-popular” orchids on Smithsonian Gardens orchid Pinterest collection.

Each bar presents the color proportions of a flower. Bars are ordered by the hue of the largest proportion.

BRASSIDIUM KAFKAESQUE 'TWISTED SISTER'



VANDA



PHALAENOPSIS HYBRIDS



BLETILLA STRIATA



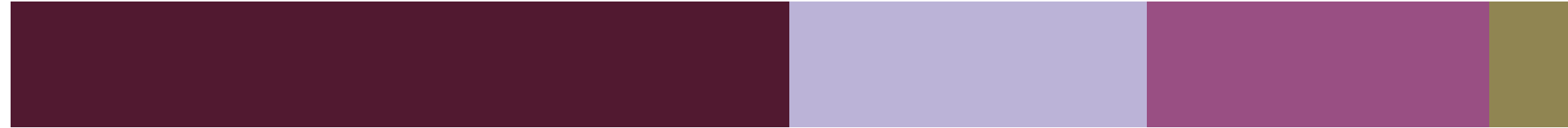
PAPHIOPEDILUM JOGJAE



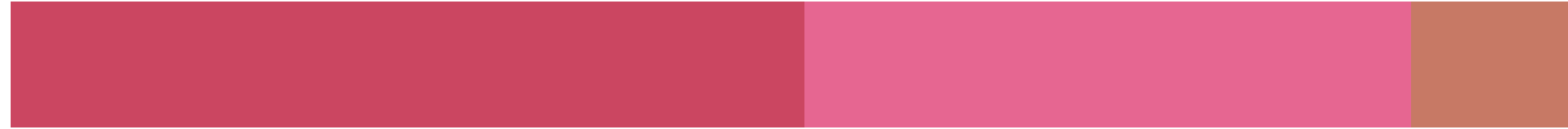
CATTLEYA AMETHYSTOGLOSSA



MILTONIDIUM AUSTIN POWERS 'SWEET SUMMER MORN'



PHRAGMIPEDIUM FRITZ SCHOMBURG



ONCIDIUM TIGERSETTE 'WYLD COURT'



DENDROCHILUM STENOPHYLLUM





Butterfly Palette

Palettes of the rarest butterflies in the world. Each bar presents the color proportions of wings. Bars are ordered by the hue of the largest proportion.

MORPHO GODARTI



ORNITHOPTERA CROESUS



PREONA PRAENESTE SSP. BUCKLEYANA



PAPILIO HOMERUS



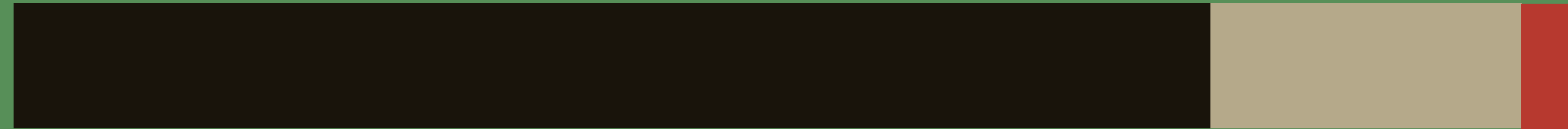
AGRIAS AMYDON



PAPILIO CHIKAE



CEYLON ROSE / PACHLIOPTA JOPHON



ORNITHOPTERA CHIMAERA



BHUTANITIS LIDDERDALII



TEINOPALPUS AUREUS





Frog Palette

Palettes of the most poisonous frogs in the world.
Each bar presents the color proportions of skin. Bars are ordered by the hue of the largest proportion.

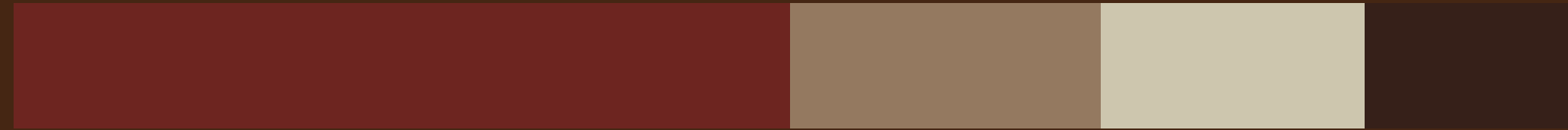
BLUE POISON DART FROG



GOLFODULCEAN POISON FROG



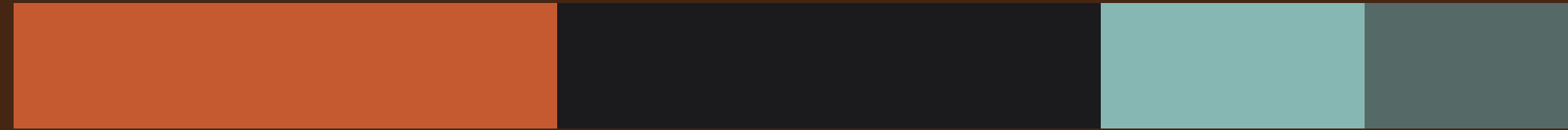
PHANTASMAL POISON FROG



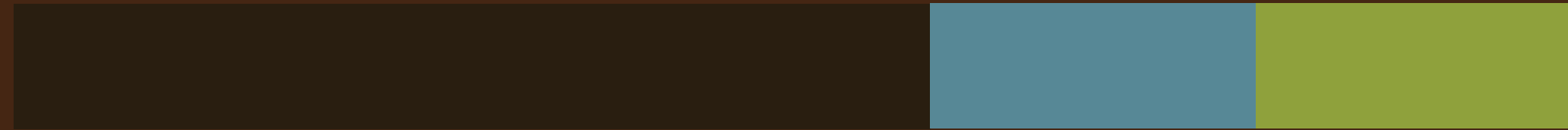
STRAWBERRY POISON DART FROG



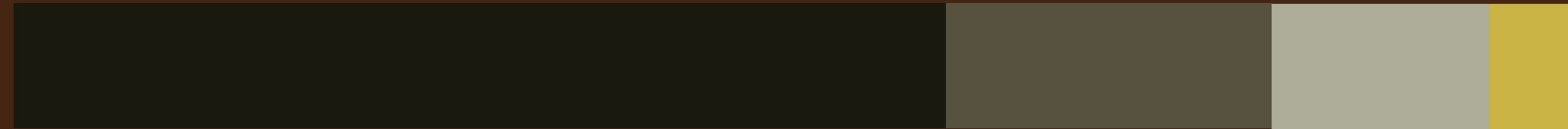
PAPHIOPEDILUM JOGJAE



ZIMMERMANN'S POISON FROG



LOVELY POISON FROG



BLACK-LEGGED DART FROG



GOLDEN POISON FROG



KOKOE POISON DART FROG

