

**Rozvoj lidských zdrojů TUL pro zvyšování relevance,
kvality a přístupu ke vzdělání v podmínkách Průmyslu 4.0**

Základy KOLORISTIKY

Lektor: doc. Ing. Michal Vik, Ph.D.
doc. Ing. Martina Viková, Ph.D.

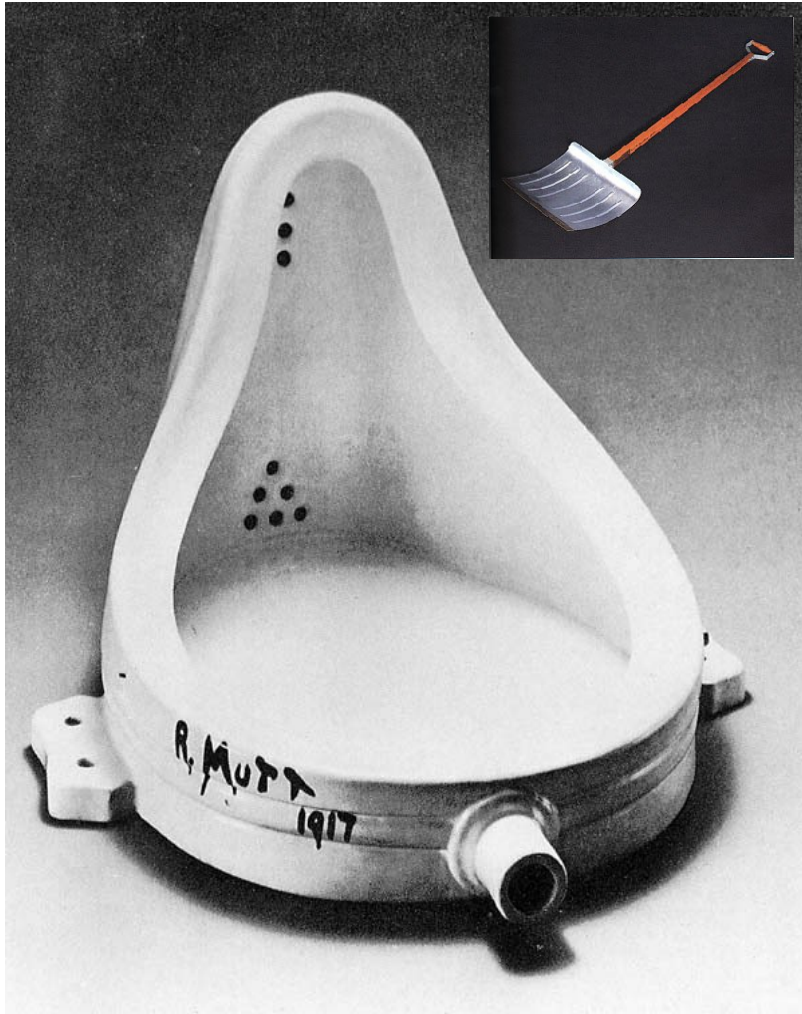


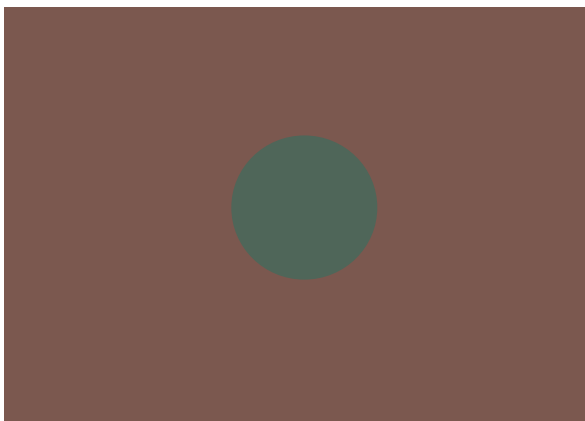
EVROPSKÁ UNIE
Evropské strukturální a investiční fondy
Operační program Výzkum, vývoj a vzdělávání

Něco málo závěrem

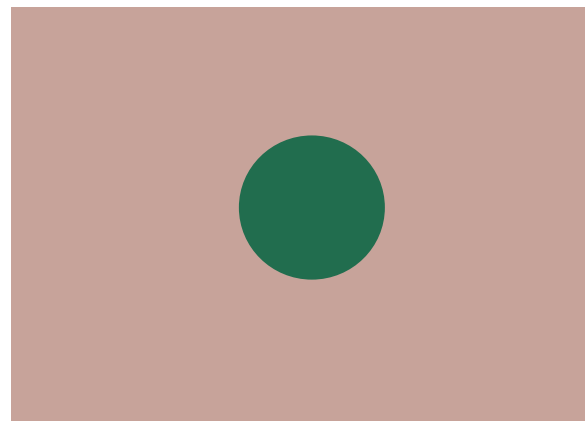


Co je to vlastně umění?

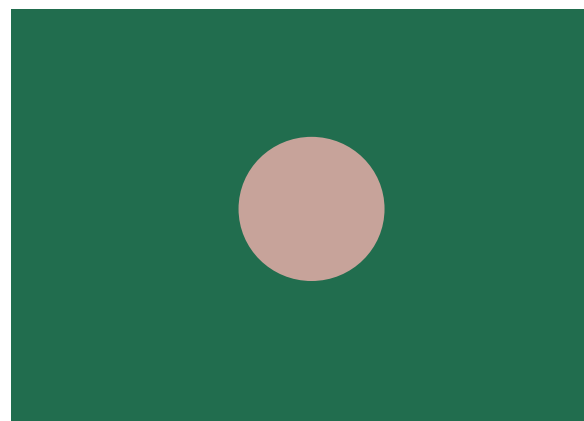


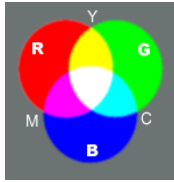


Disharmonická barevná kombinace

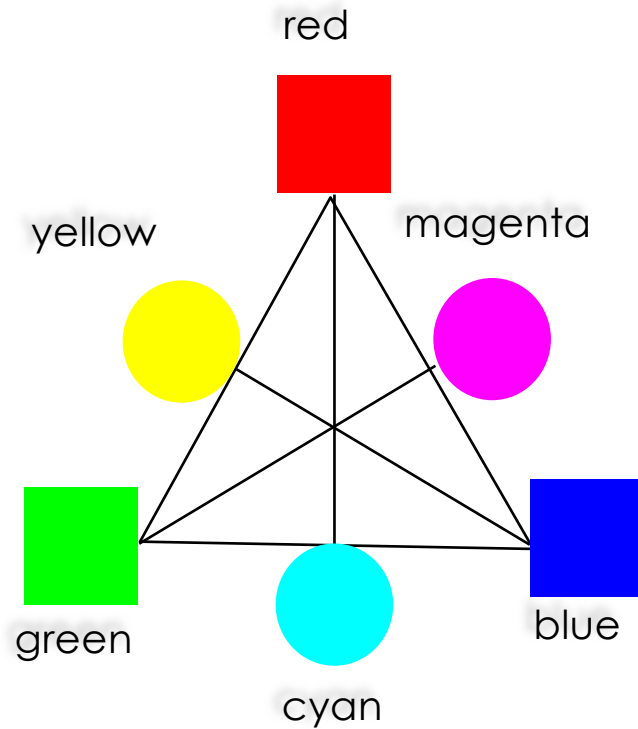


Harmonická barevná kombinace

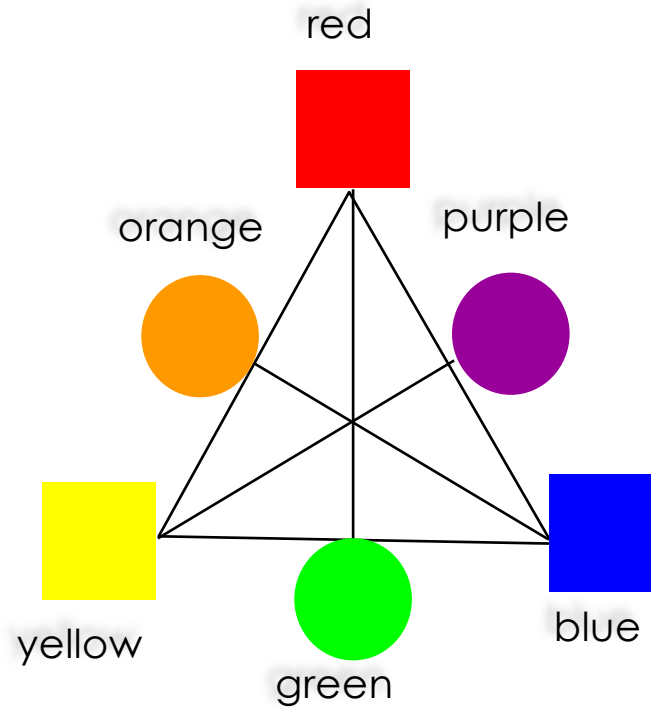




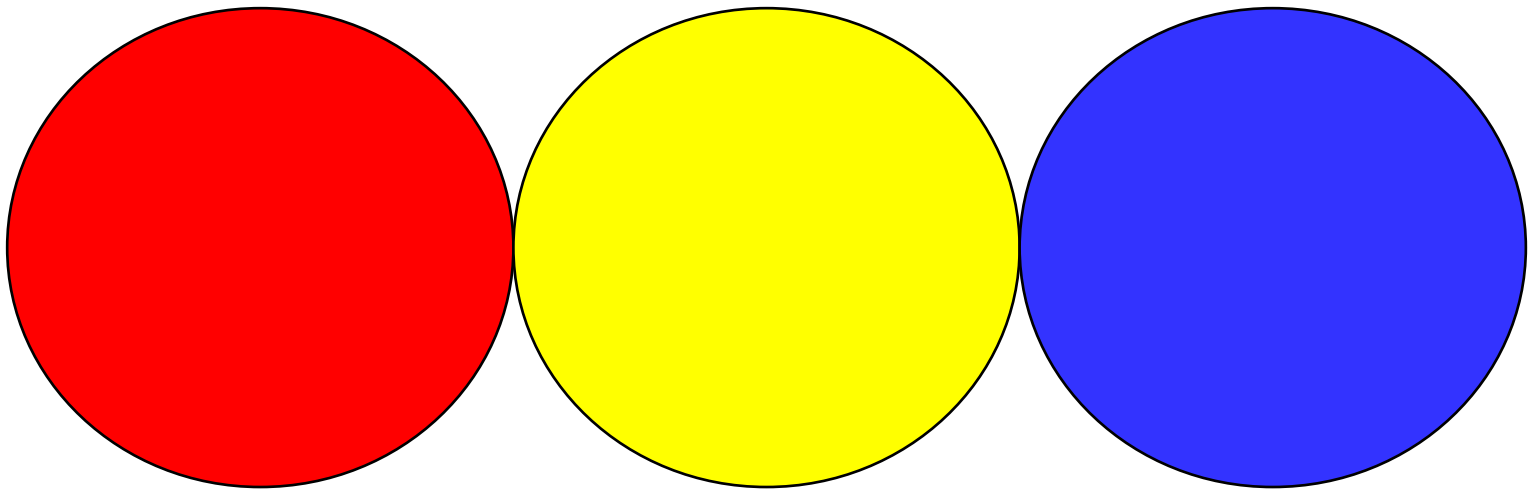
Physical complementary color

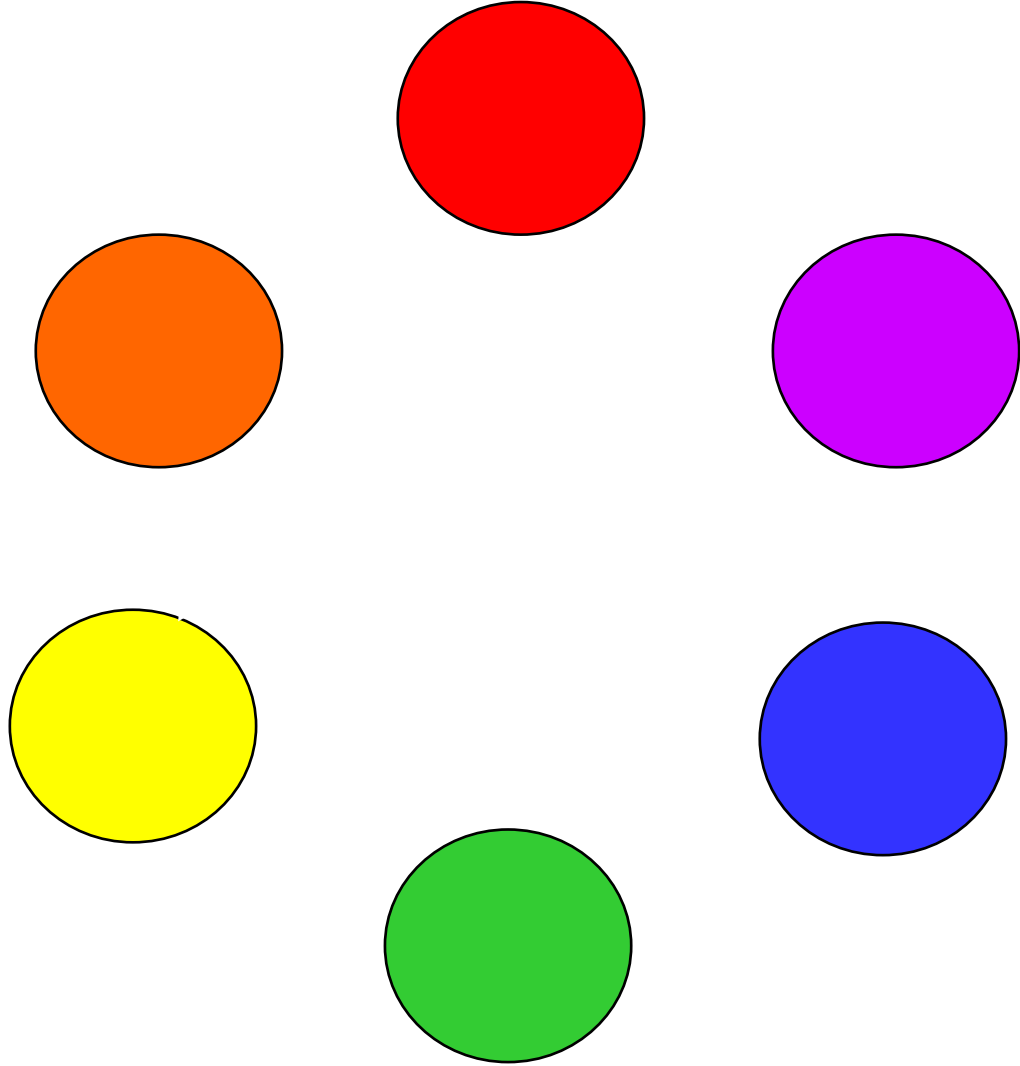


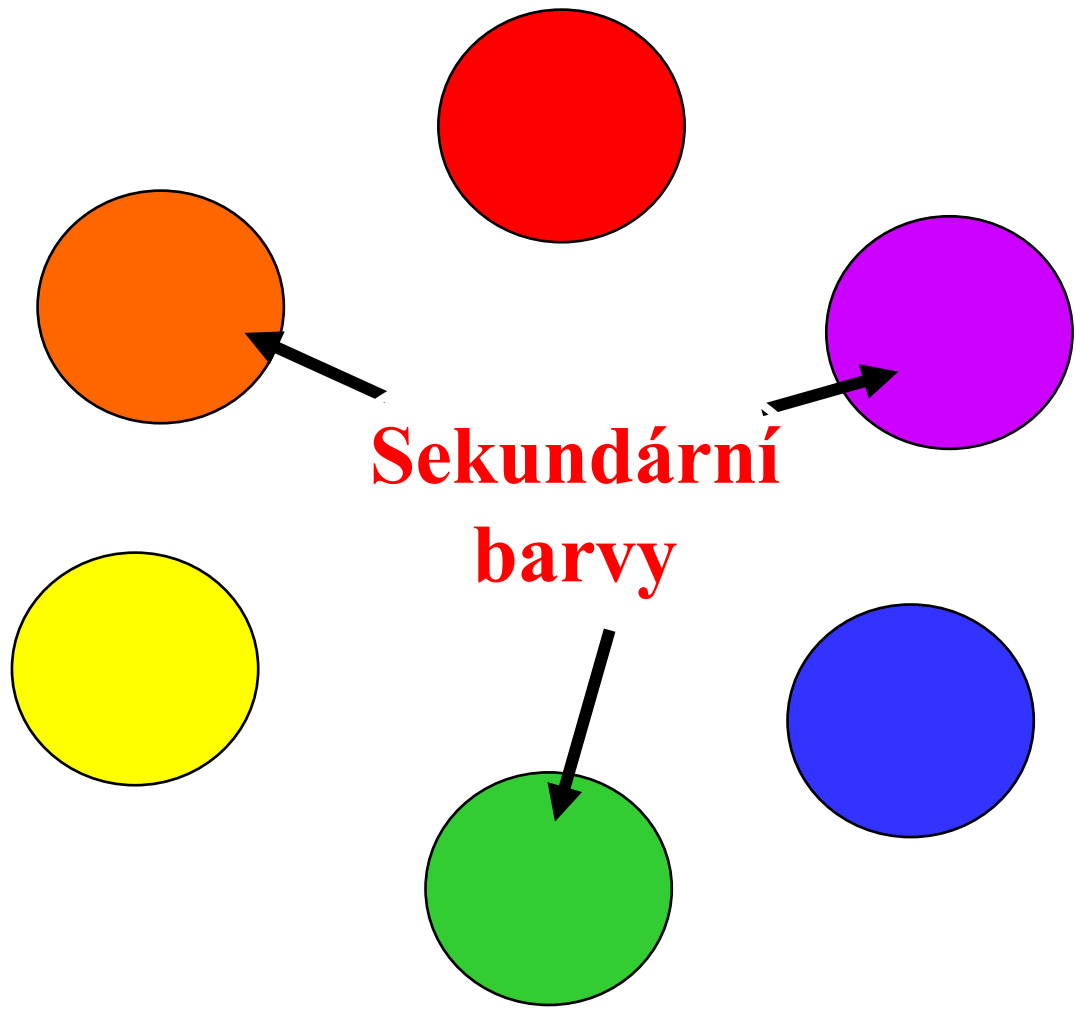
Psychological complementary color



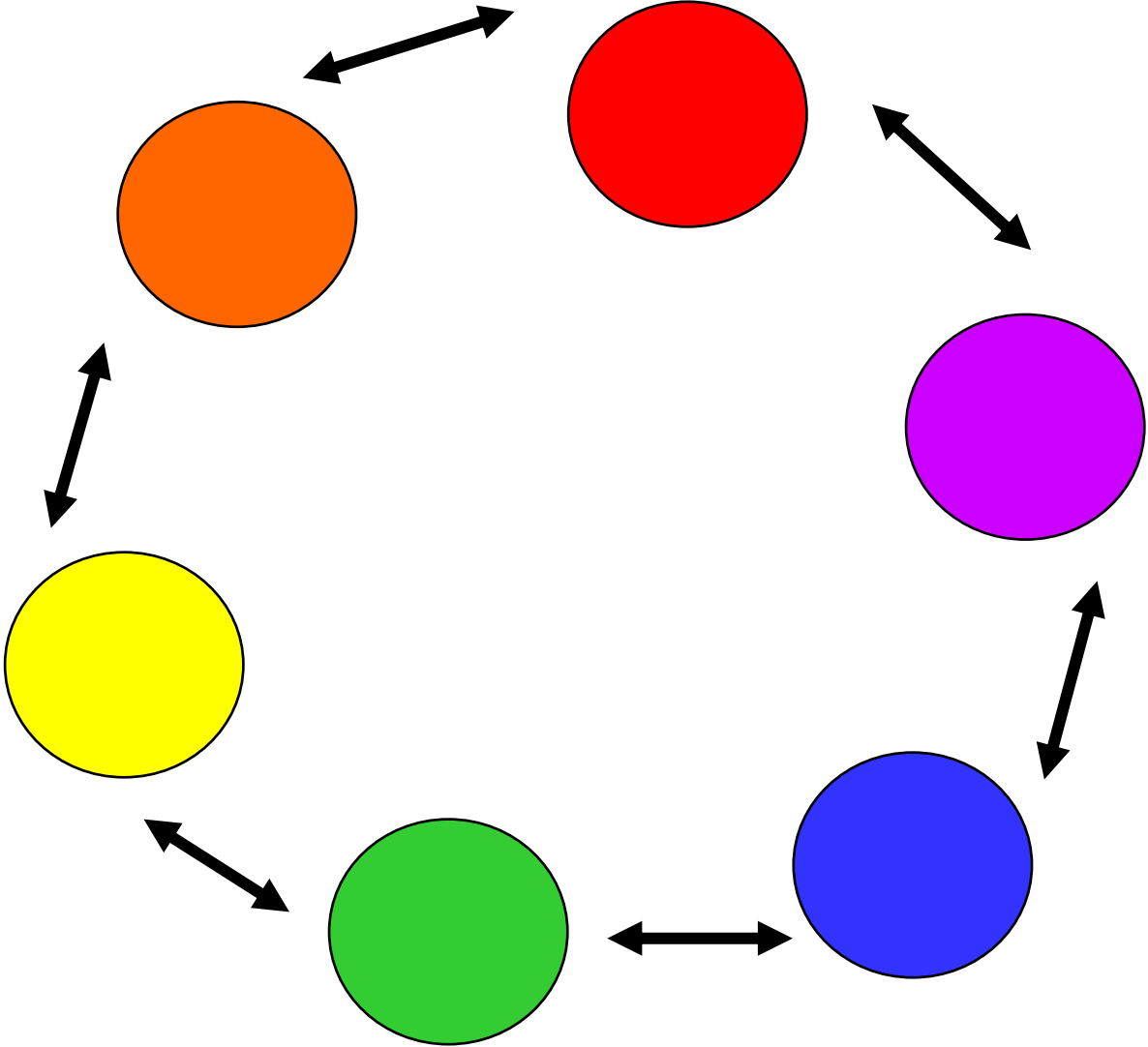
Primární barvy

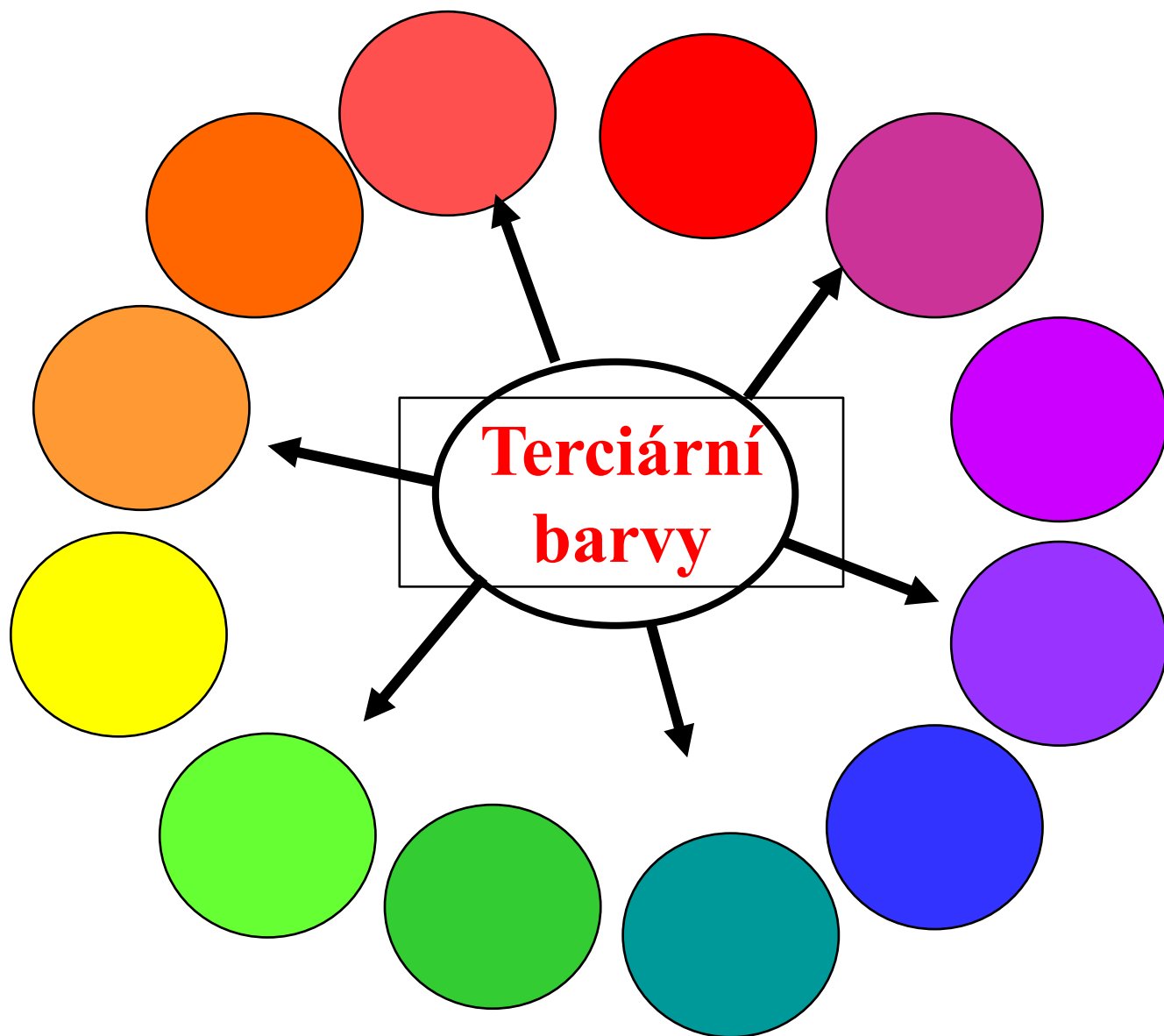


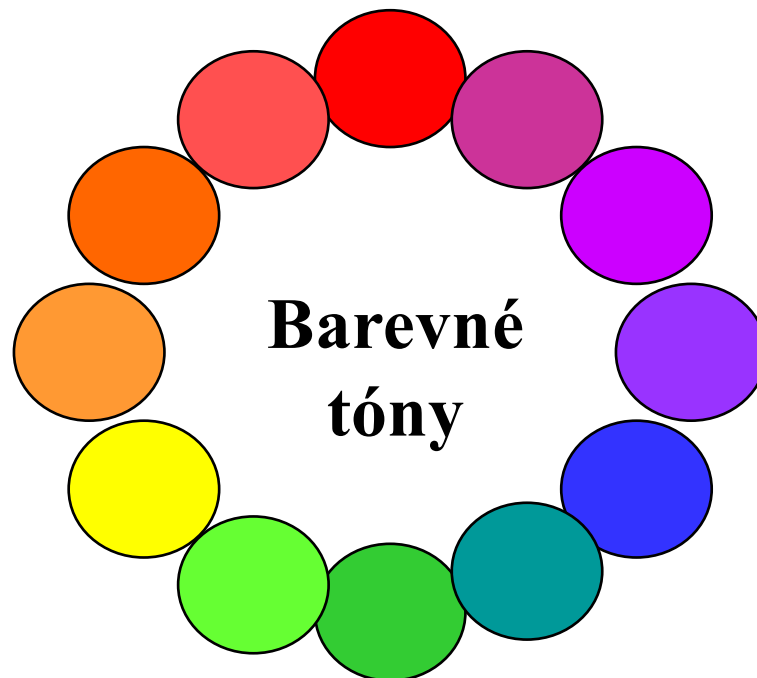




**Sekundární
barvy**

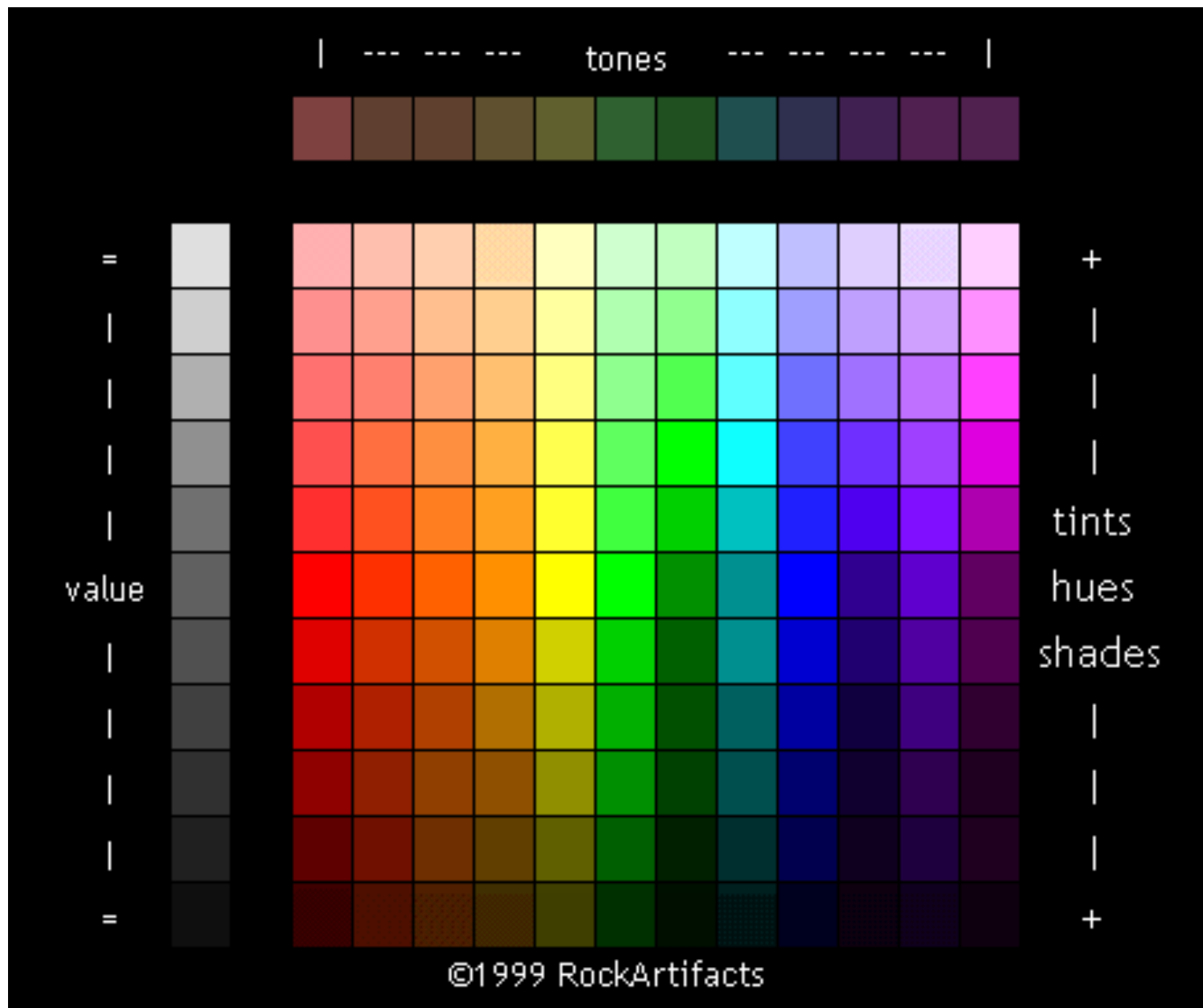


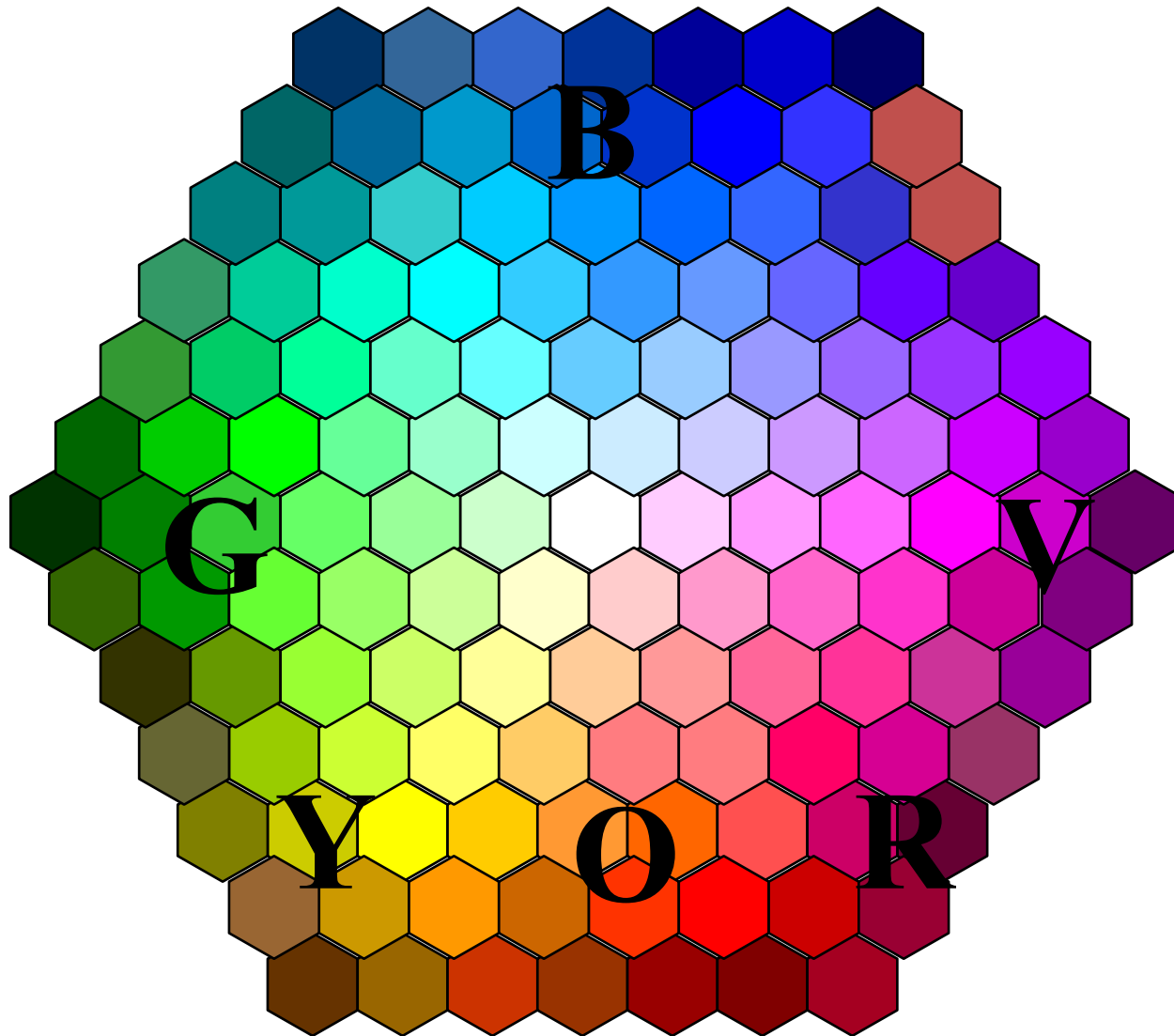




Pestré barvy můžeme míchat s nepestrými





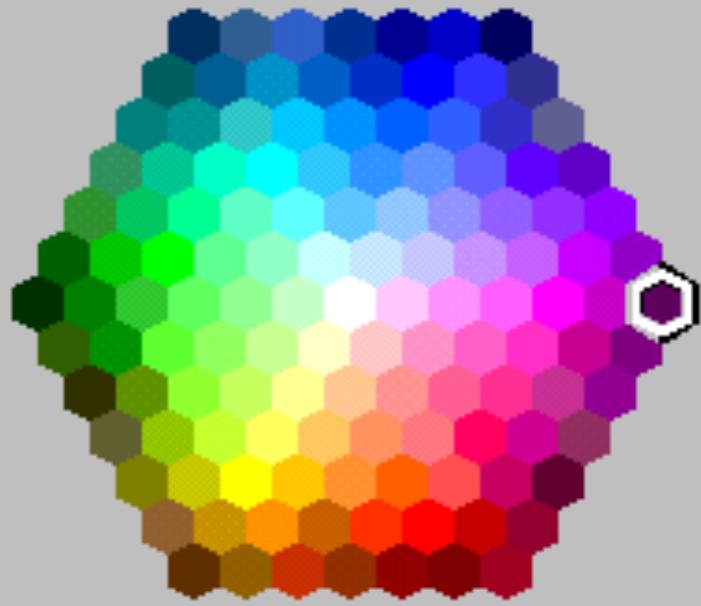


Colors



Standard Custom

Colors:



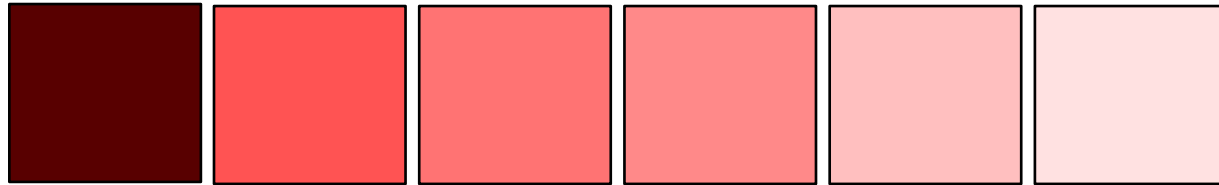
OK

Cancel



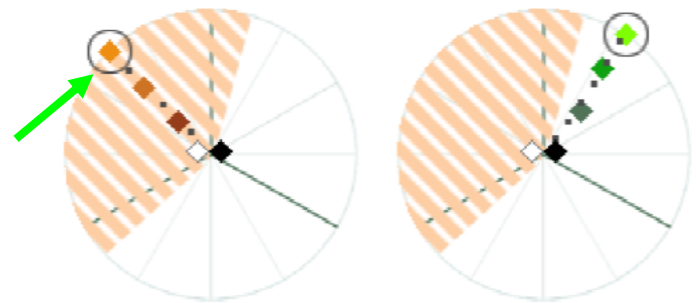
Current

Monochromatická harmonie I



Nejjednodušší barevné schéma je tvořeno jediným tónem, který se mění pouze v sytosti a valéru (světlosti). K vytvoření monochromatické harmonie, (1) vyberte klíčový odstín na okraji barevného kruhu. Je dovoleno použít jakoukoliv barvu na přímé čáře mezi touto klíčovým odstínem a středem kruhu, obsahujícím nepestré barvy.

Klíčová barva je zakroužkovaná



Monochromatická harmonie II



Monochromatická harmonie III

Marcel Duchamp
Akt sestupující po
schodech

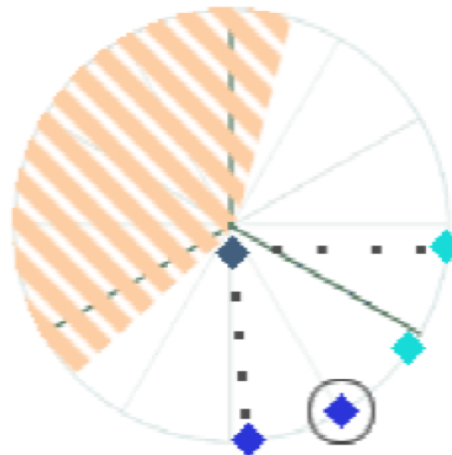
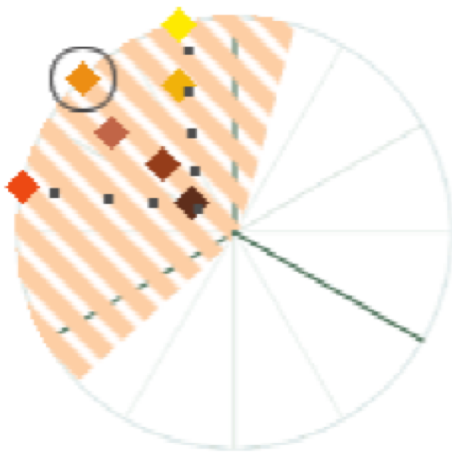
Philadelphia Museum of Art, New York



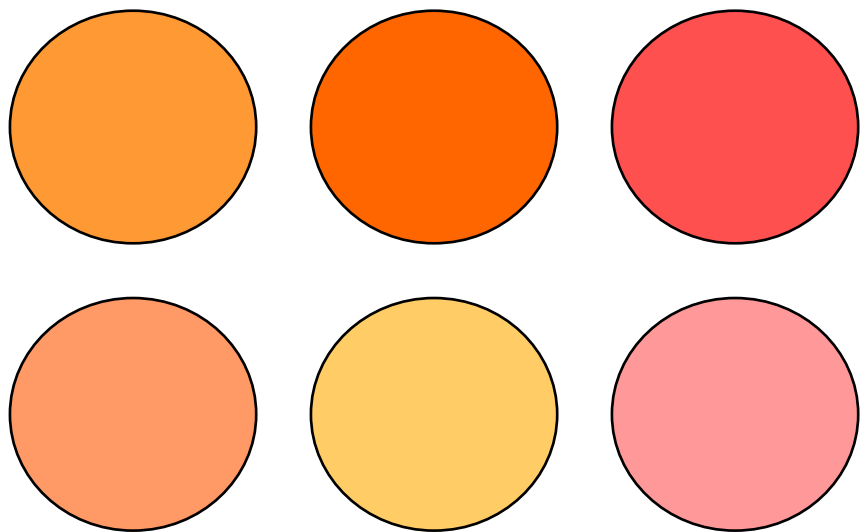
Analogická harmonie I

je tvořena podobnými barvami, tóny které jsou vedle sebe na obvodu barevného kruhu.

K vytvoření analogické barevné harmonie, (1) vyberte klíčovou barvu na okraji barevného kruhu, pak (2) vyberte dvě barvy těsně na obou stranách klíčové barvy. Máte dovoleno použít jakoukoliv barvu v barevného kruhu uvnitř výseče, která je definována čarami taženými z vnějších vámi vybraných barev do středu kruhu, obsahující černou, bílou, nebo tmavě neutrální.



Analogická harmonie II

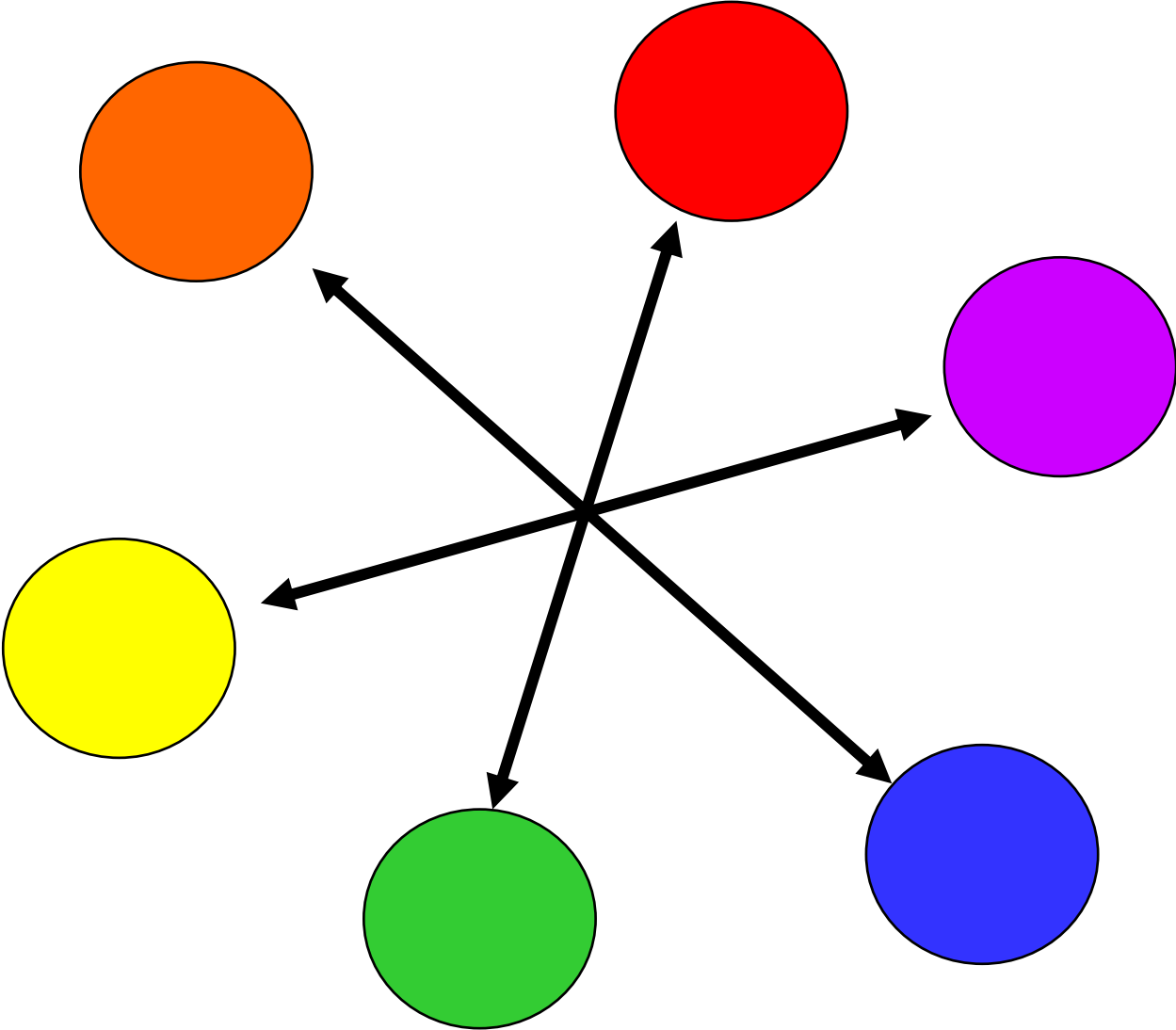


Analogická harmonie III

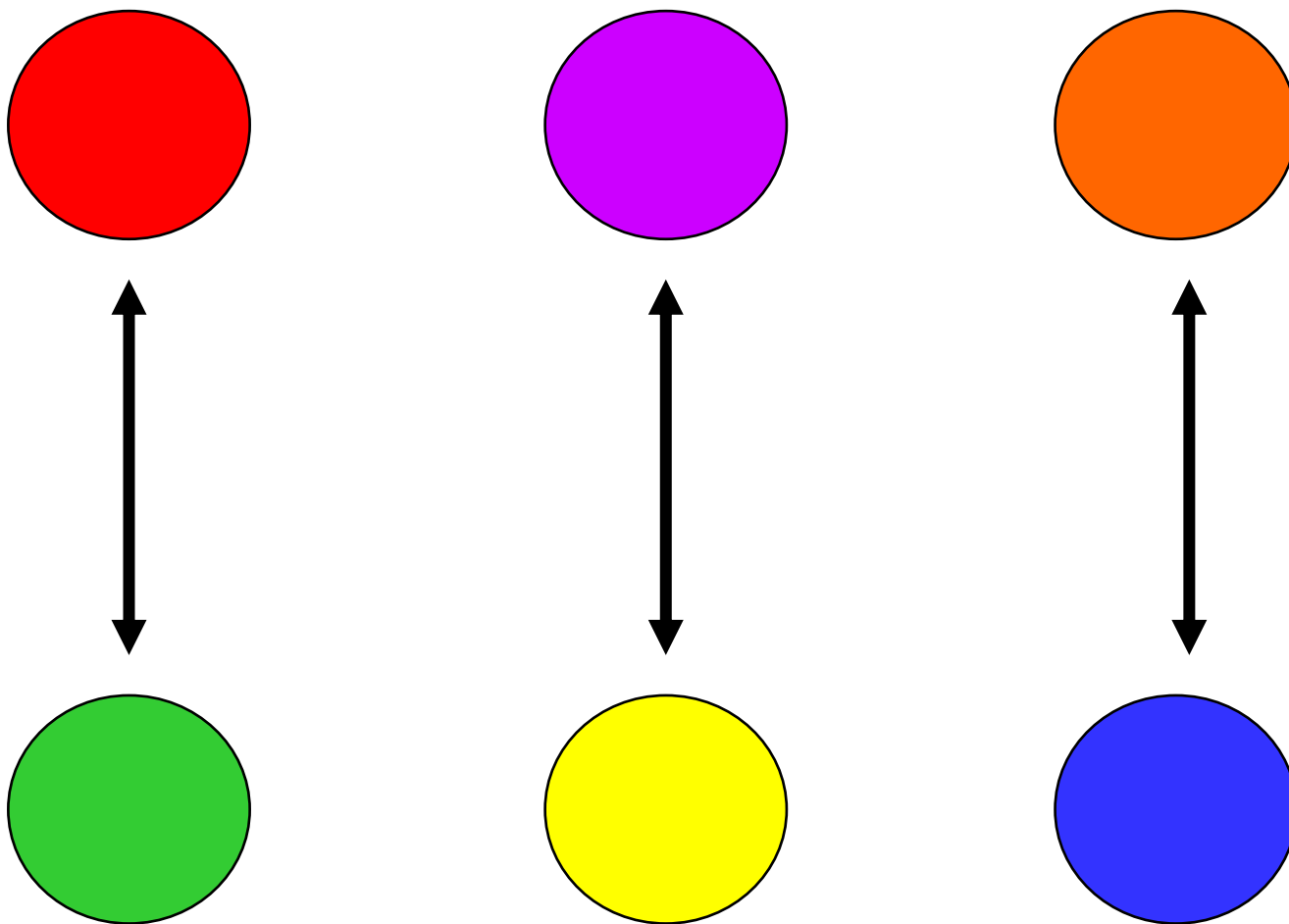


Analogická harmonie IV

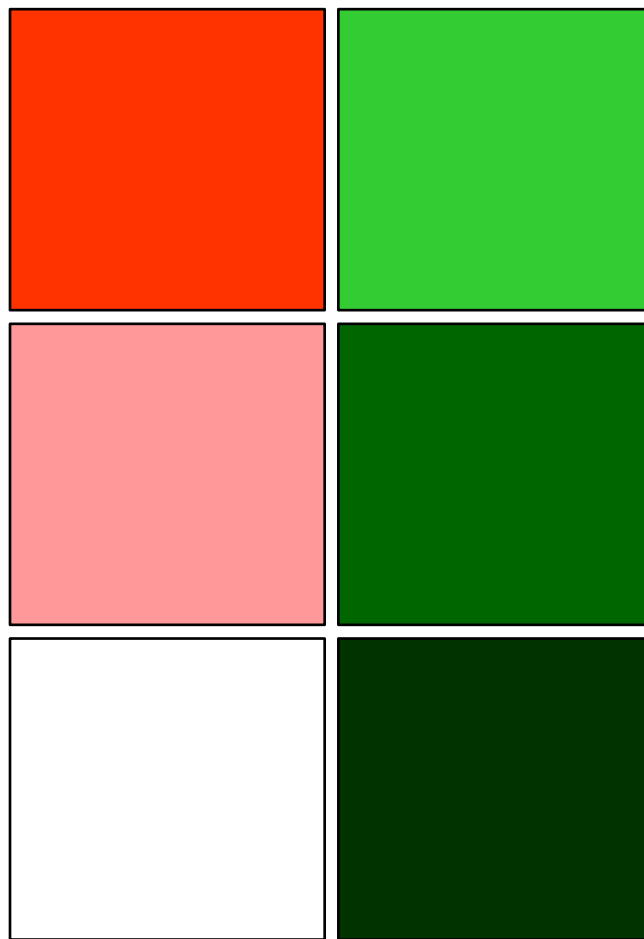
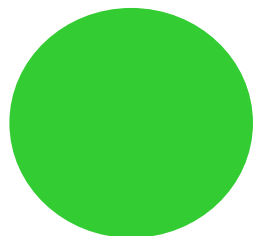
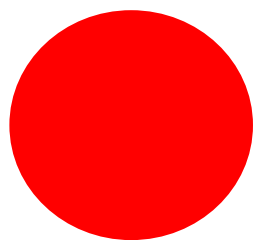




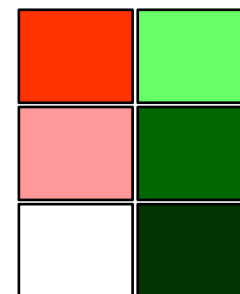
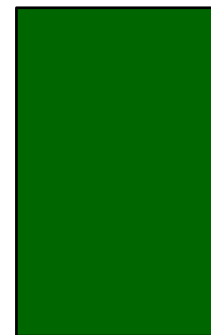
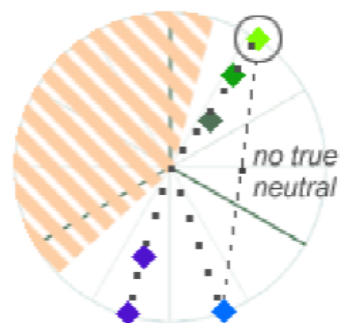
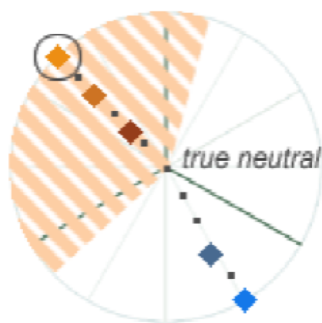
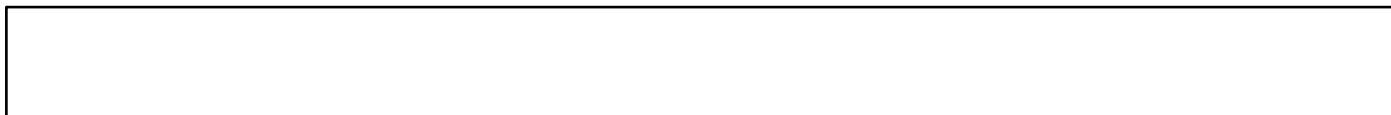
Komplementární barvy



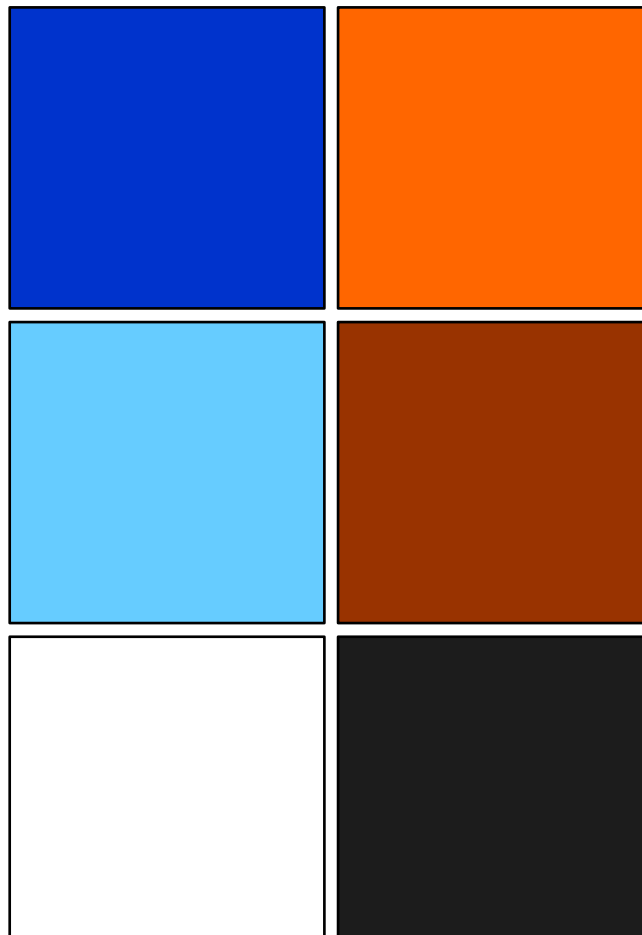
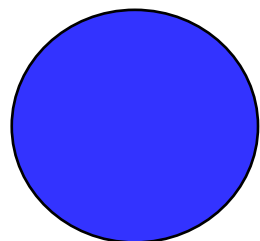
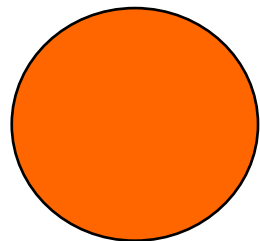
Harmonie komplementárních barev I



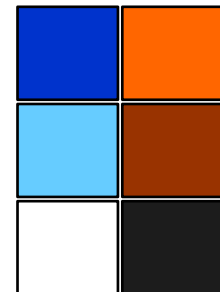
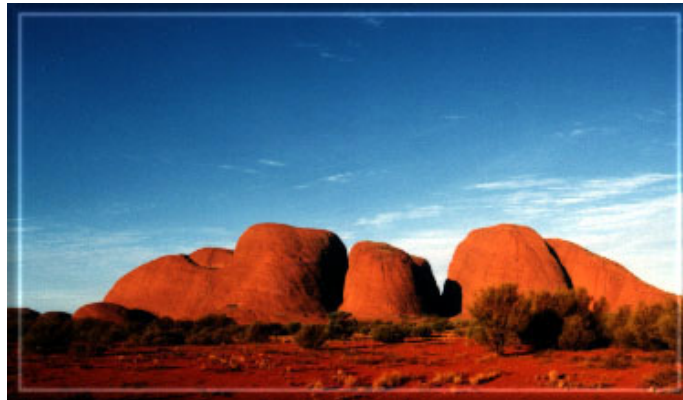
Harmonie komplementárních barev II



Harmonie komplementárních barev III

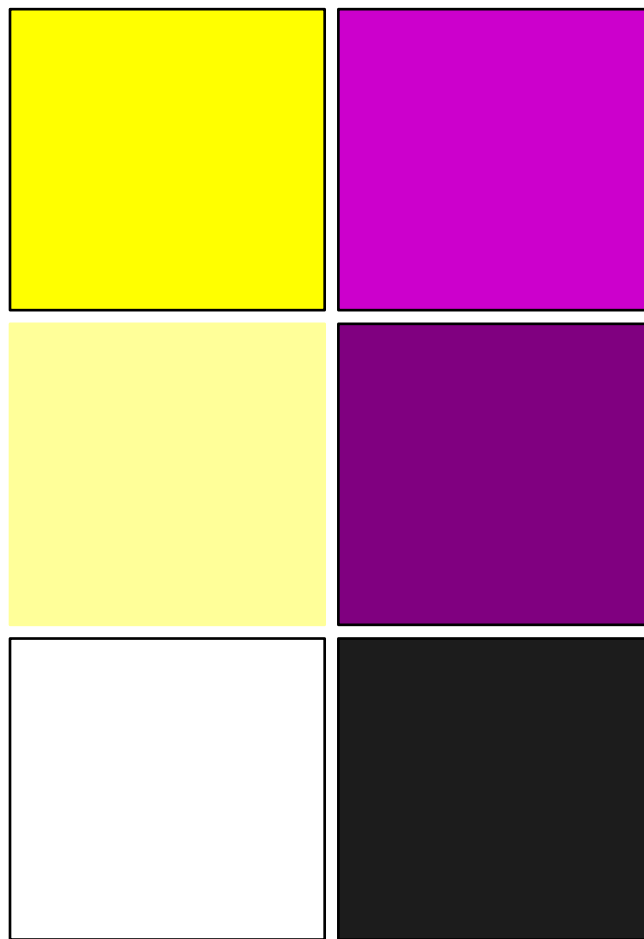
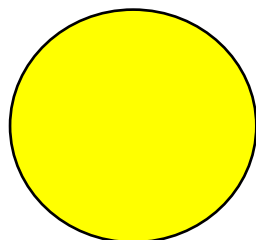
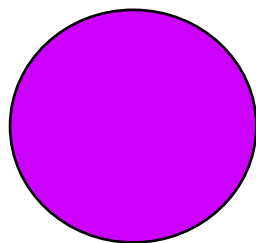


Harmonie komplementárních barev IV

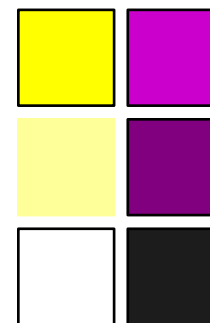
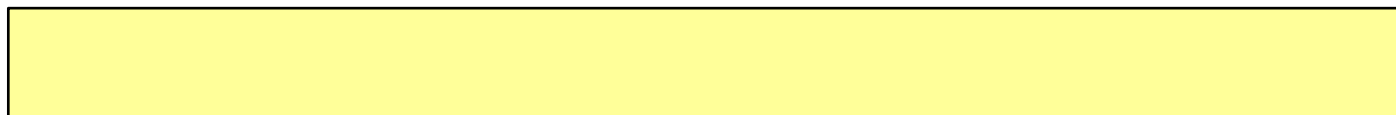




Harmonie komplementárních barev V



Harmonie komplementárních barev VI



Harmonie komplementárních barev VII

double complementary scheme

Marc Chagall **I and the Village**

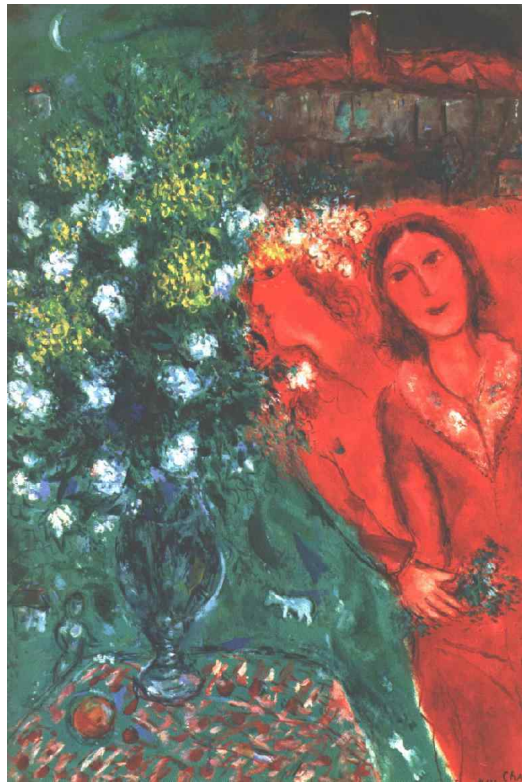
Museum of Modern Art New York



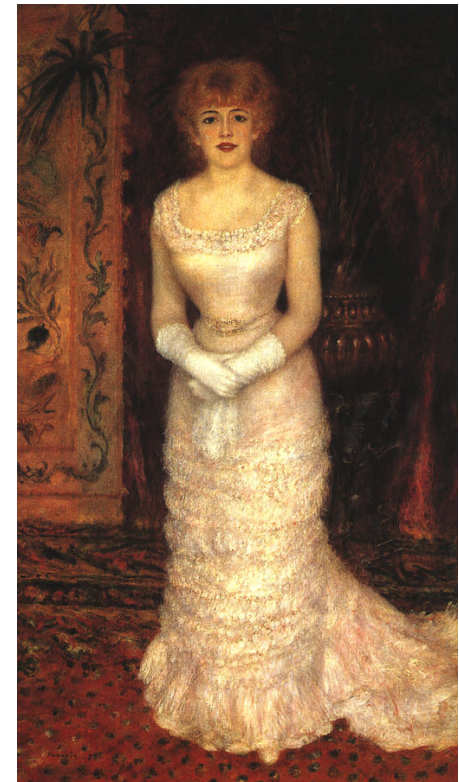
Porovnání harmonických schémat



Monochromatic

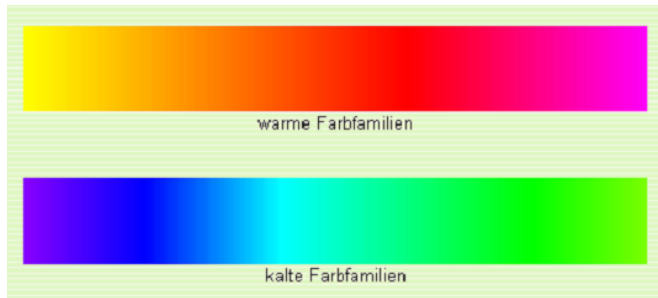


Complementary

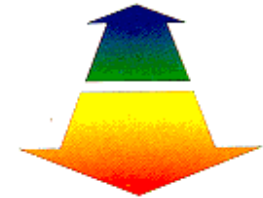


Analogous

Kontrast teplých a studených barev

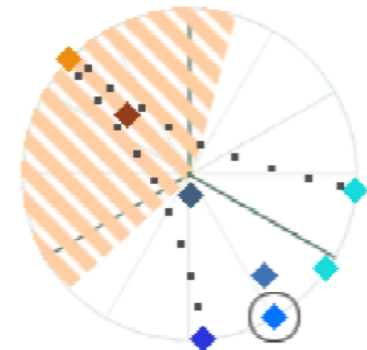
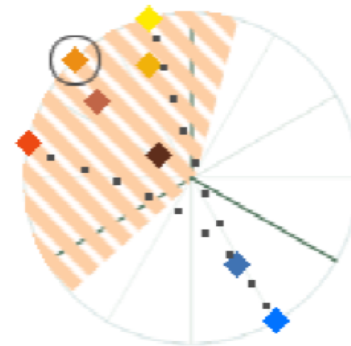


Kalte Farben scheinen sich zu entfernen.



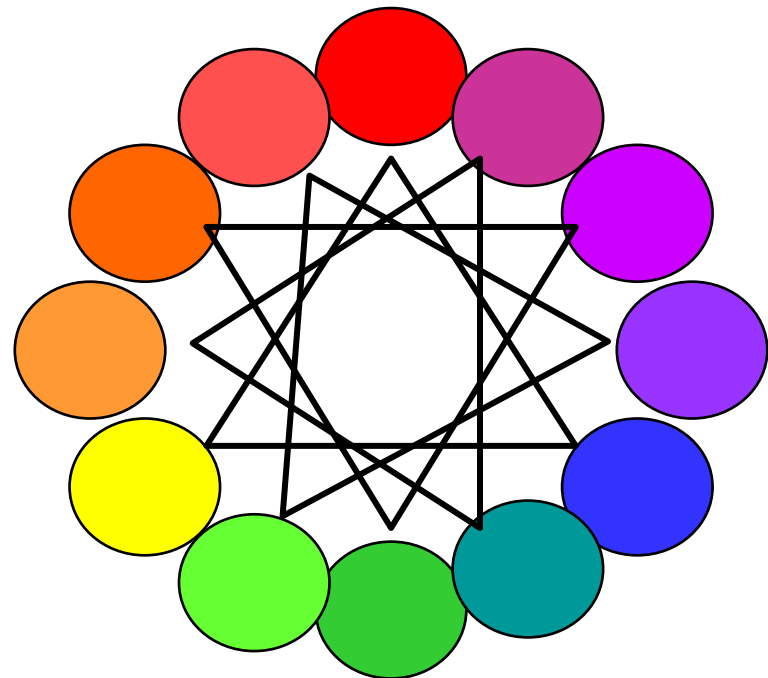
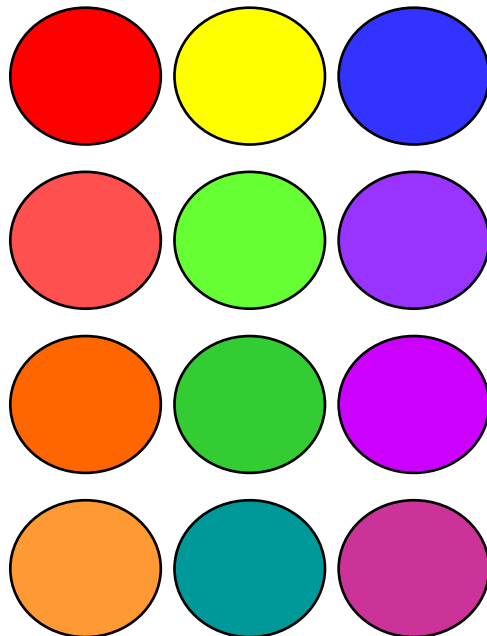
Warme Farben scheinen nach vorn zu kommen.

Warme und kalte Farben im Farbkreis.

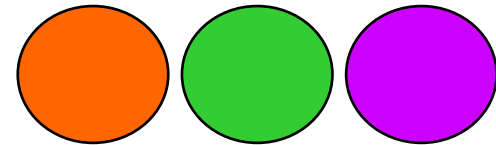
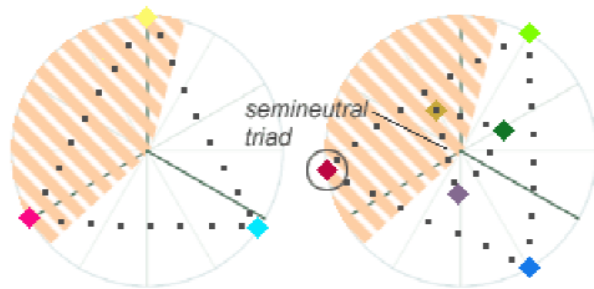


Barevná triáda I

Pokud zakreslíme čtyři rovnostranné trojúhelníky uvnitř barevného kruhu získáme barevnou triádu



Barevná triáda II



Barevná triáda

III

Stuart Davis Figure Five in Gold

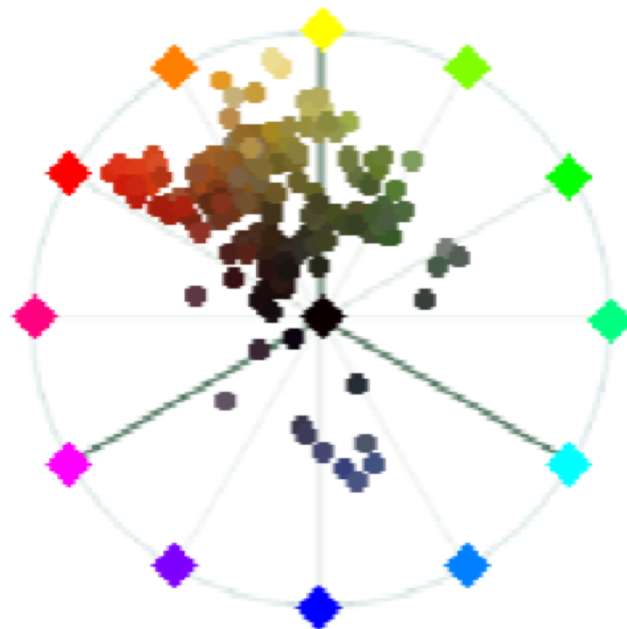
Metropolitan Museum of Art
New York



GAUGUIN & BAREVNÉ ROZVRŽENÍ



Bouquet de fleurs (1897)



Ačkoli barevná mapa nezachycuje mnoho malých a různorodých proměn barvy v celkovém obraze, dělá celkový přehled o barevného prostoru.

Škály I



Rainbow scale

A wide range of harmonious hues. Very popular but can lead to over-coloured displays.



Colour bar scale

The six primary and complementary hues of a monitor in order of ascending lightness. Use with care !



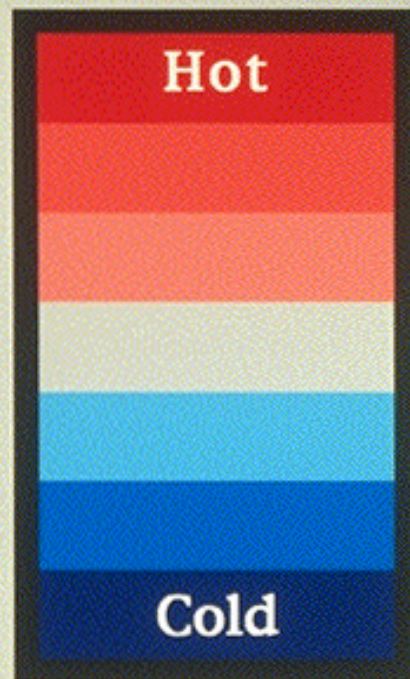
Ageing scale

Decreasing saturation and increasing lightness. Use to show changes in a single variable. (e.g. date order.)

Škály II



Temperature scale
Simulates the heating of a metal. Use to show each step of a single variable.



Hot-Cold scale
Bimodal, with a neutral grey centre. Useful for illustrating transitions.



Geographic scale
Typical of scales in which colours directly relate to the specific application.

Čitelnost textu I

Reading test

Reading test

Reading test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Reading Test

Čitelnost textu II

Chromo-stereopsie: nepoužívejte modré písmo na červeném pozadí a obráceně, rovněž nekombinujte barevný text dohromady:

This is now a composed red-blue text

This is now red on blue

Do you see the difference?

Čitelnost textu II

" 'When *I* use a word,' Humpty Dumpty said in a rather scornful tone, 'it means just what I choose it to mean.'"
Lewis Carroll: *Through the Looking Glass*.

" 'When *I* use a word,' Humpty Dumpty said in a rather scornful tone, 'it means just what I choose it to mean.'"
Lewis Carroll: *Through the Looking Glass*.

""When *I* use a word,' Humpty Dumpty said in a rather scornful tone, 'it means just what I choose it to mean.'"
Lewis Carroll: *Through the Looking Glass*.

""When *I* use a word,' Humpty Dumpty said in a rather scornful tone, 'it means just what I choose it to mean.'"
Lewis Carroll: *Through the Looking Glass*.

Čitelnost textu IV – vliv světlosti pozadí

Is the text
readable ?

Is the text
readable ?

