

January 16, 2011 [http://howtonotsuckatgamedesign.com/?p=1702] by Anjin Anhut.


This is a follow-up to part one. I established some terminology and principles in part one, building up to this article. So read it. No, honestly, do it. Let's check out a few of thousand ways to use color situations and distinct colors to your advantage.
Iconic Colors
Use a limited selection of distinct colors to make your characters recognizable. Just as it is with company logos, corporate identities, simple combinations of distinct colors are easy to remember and quickly to grasp. Back in the days where few pixels needed to flesh out a character, clear distinct colors were necessary to make sprites readable and recognizable (think Mario and Luigi). Nowadays those technical limitations don't exists. But AAA characters still maximize their own and their franchise's value of brand recognition by betting on distinct colors. Marketing win.



RECOGNIZABLE COMBINATIONS OF DISTINCT COLORS MAKE CHARACTERS RECOGNIZABLE AHD ICOHIC

## Puzzle Solving

The player connects objects and elements colored in the same distinct color and is even able to bring distinct colors in order. This he learned from baby age on and later needs no explanation anymore. This helps create instantly understandable gameplay situations.


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SAME DISTINCT COLOR

## Separation And Affiliation

From boardgames, over sports, companies and nations to political parties and back to the days of tribes and caves, color labels are used to mark group affiliation. A clear and consistent color language helps the player separate friend from foe. For a player to know his own distinct game color gives any game a sense of competition, even when the gameplay is not centered around conflict. The classic red blue green yellow combo used in New Super Mario Bros. Wii, allows every player to identify with a color on screen and recognize the other players to be from a different party/team/faction, just like he learned when playing board games and sports.

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## Color Information And Conventions

The player can understand previously learned conventional meanings of colors. You can take from real life, by using the commonly known conventions of your target audience. For that you need to provide the necessary context. Red in and out of itself can have many meanings, so the right context is needed to trigger the correct interpretation. In western cultures, a red cross on any sort of container = medical supplies, a red traffic light = stop, a red light blinking on a machine $=$ danger or malfunction ot a red drop = blood. A red lit room can be a bordello or a photograph's dark room. So check on the culture and common knowledge of your target gamer and provide context. You can of course establish your own meanings for distinct colors, but if you want to do this you have to be consistent with your distinct colors and give the player time and guidance (maybe even verbal explanations) to learn.


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Infamous


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GEARS OF WAR IS JUST ONE OF MANY GAMES WHERE ARE MORE SUBTLE BUT STILL COHSISTENT USE OF RED AHD BLUE IS USED TO SEPARATE TOGOOD GUYS FROM THE BAD B0YS Gears of war

## Focus

When the player recognizes a distinct color, he will always give it more importance and attention over the overall color situation. This can be used to direct the attention and focus of the player towards certain elements. This is why so many bosses have distinct color weak spots.


## Tactile Sensations

Color situations are a very effective way to suggest tactile sensations. The human brain is wired to attribute certain feelings and even the taste of things to certain colors. This is mostly based on memory and conditioning. Reds and oranges are associated with warmth and heat, while blues suggest coldness. This can simply be backtracked to the sensations of fire and water. In color theory we even talk of color temperature and infrared view uses the same system to mark warm and cold objects. Whites and light grays, like early morning fog, suggest freshness. Another way to suggest temperature is warm brightness, referencing sunlight.

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## Environments

Color situations play an important role in determining if an environment is hostile or friendly. Humans are evolutionary primed to feel most secure in fertile areas, which are indicated by strong greens (plant life), strong blues (water) or both. Now adding hints of red, purple, orange or pink, anything warm and you have a very comforting color scheme for your environment. Not so fertile and life friendly environments, like deserts, burned areas, rock, dead wood, rust, rotten plant life come in a mix of blacks, grays, browns, and pale greens. Red adds an idea of threat, heat and danger here. Just keep in mind, what overall color situations our ancestors where searching for or avoiding, when picking a place to stay.


## Monochromatic Sequences

Due to the qualities of vintage photography, old film, drawings and low-tech print, placing a sequence in monochromatic colors makes the player look at the sequence from the outside. Instead of being in the sequence, the player feels like looking at some sort of media depicting the sequence. This is often used in movies and comics to illustrate a flashback or exposition sequence, sometimes supported by additional film grain, flickering, washed out areas or fake old paper effects. I'm kind of confused, that there are so little games letting us play monochromatic flashbacks, regarding that black-andwhite and sepia are so commonly understood. Monochromatic color situations can of course also be used to give a sequence a unique edge or baseline emotional tone.


MONOCHROMATIC COLOR SITUATION TO CREATE AH EMOTIONAL BASE FOR A COMBAT SEQUENCE
heaps of toys are one of the many things that make Super Mario games instantly appear to be fun. While you fight in the
hostile gray-brown environments of Dead Space, explore in the lush green jungles of Tomb Raider, you play in the toycolored mushroom kingdom. The key here is not to just spread around colors, so that they blob together into one homogenic mix. Playfulness, this childlike feeling, gets triggered by a lot of recognizable objects with distinct colors, so we get the appearance of many fun or tasty things to interact with.
CANDY STORES, TOY BOXES AHD MUSHRODM KIHGDOMS. PLAYFULHESS


## Conclusion Part Two

Like I said, there are a 1001 more observations to make and tricks to note. The many more ways in which colors affect us emotionally, are conventionally used or culturally understood. One could write a whole book about this subject (and some probably already have). But I hope, that you can extract some inspiration from this write down. If you can, you should check part three, where I share some cool tools and tricks to work with color on a game concept level.

## Related posts:



## ONE THOUGHT ON "GAME AND SWATCH ,ÄÖ $\sqrt{ }$ N$\sqrt{ } \sqrt{ }$ COLOR THEORY FOR GAME

DESIGNERS PART 2"


[^0]:    You can also convey tactile sensation by using distinct colors. A water tab for example is marked with red and blue for hot and cold water. You can use red and blue, commonly used to indicate burning hot and cooling cold water, to indicate a similar ideas of pain and relief on screen.

