

COMPX221-18A

Assignment 2

Andre Ofsoski 1314669

Interpretation

Express the emotions; anger, surprise, sadness, joy, love and fear by using creative coding. Initially I was struggling to figure out how to creatively express these 6 emotions however, I then realized that I could just express the emotions as a dynamic temperature changing human figure. We feel emotions as different temperatures on various parts of our bodies. The temperature data was found in the Human Machine Symbiosis research paper by MIT students “Chrisoula Kapelonis, Lucas Cassiano, Anna Fuste, Laya Ansu, Nikhita Singh”.

The research was incredibly interesting and gave me the foundation I needed to base colours and shapes of my human figure on. Anger creates a hot temperature with fluctuating degrees of warmth in the upper body, therefore I will use mostly bright yellow ellipses as bodily organs and arteries, and orange as the fast-flowing blood (ellipses) and veins(lines) indicating that my human figure is hot headed and angry.

Sadness was the simplest to interpret as the body feels cold and isolated. When we are sad we feel as though there is no warmth in the world, therefore our bodies are blue and our blood is flowing slowly, as will be seen in my final display.

Fear is what keeps humans alive in dangerous situations, the rush of adrenaline and the rapid palpitations of the heart give us the advantage to escape the situation. Our bodies are preparing for fight or flight situations therefore I will use a darker orange for organs and a vivid yellow core to represent the intense heart-rate.

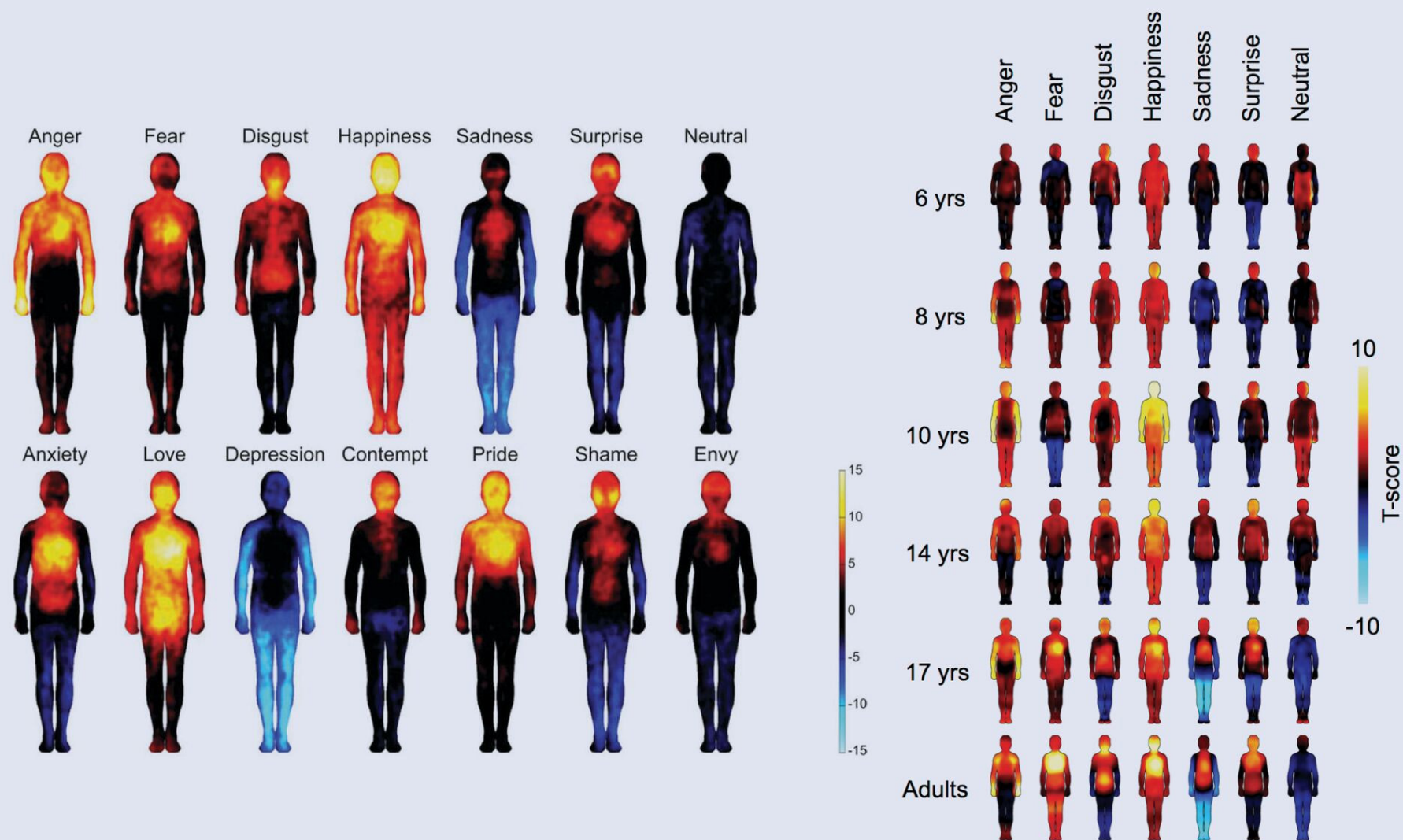
When a human is surprised, the temperature of the body is both hot and cold. Our upper bodies and head get a sudden rush of heat whereas, our legs remain cooler as we were not expecting the surprise. To represent surprise, I will use brighter colours around the head and brain with a fast-moving blood stream down the body to cold (blue) legs.

To experience joy is to feel warm all over, it's to feel happy and bubbly. It has been shown that we feel warm throughout our entire bodies when we are experiencing joy. To show a joyful human I will use all bright colours throughout the body with rapid moving blood flowing throughout. Our chest and head are shown to be warmer than the other parts of the body therefore I will make these areas stand out with the effect of fluctuating colours.

The final emotion, love, is fairly like the emotion joy. This is expected because when a human is in love they are full of joy, they're bubbling with excitement. To express this, I will use similar colours to joy however, instead of exaggerating only the head and chest areas I will make the entire body jitter and spasm. This represents the excitement felt during love.

Research

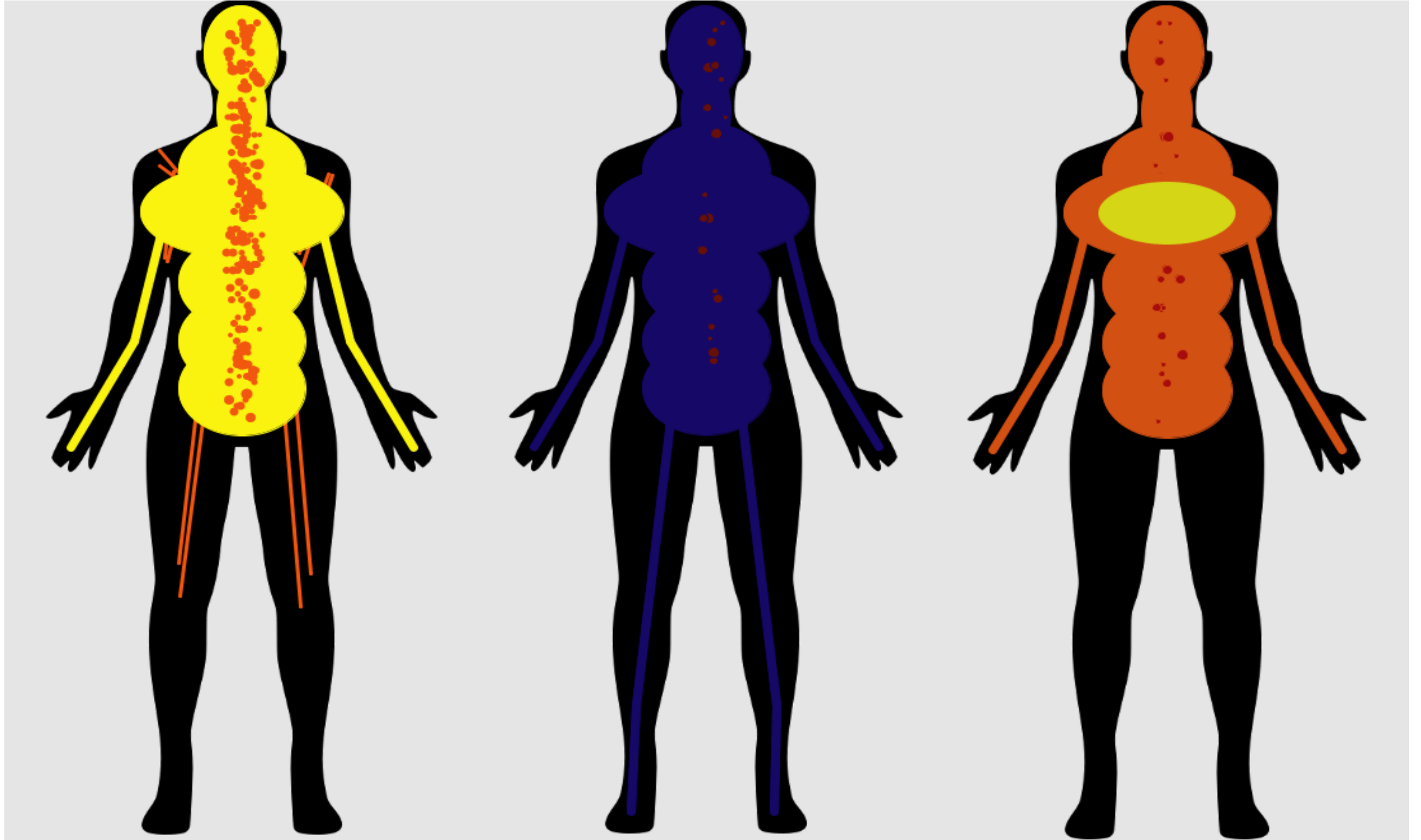
We feel emotions different temperatures
on different parts of our bodies



Bodily maps of emotions; Lauri Nummenmaa, Enrico Glereana, Riitta Harib, and Jari K. Hietanend

As seen in this temperature map put together by the students at MIT(Massachusetts Institute of Technology)- media lab, you can clearly see the difference in bodily temperatures dependent on the emotion. In the case of this project I have based my emotion of 'Joy' off of the "Happiness" figure.

Emotions

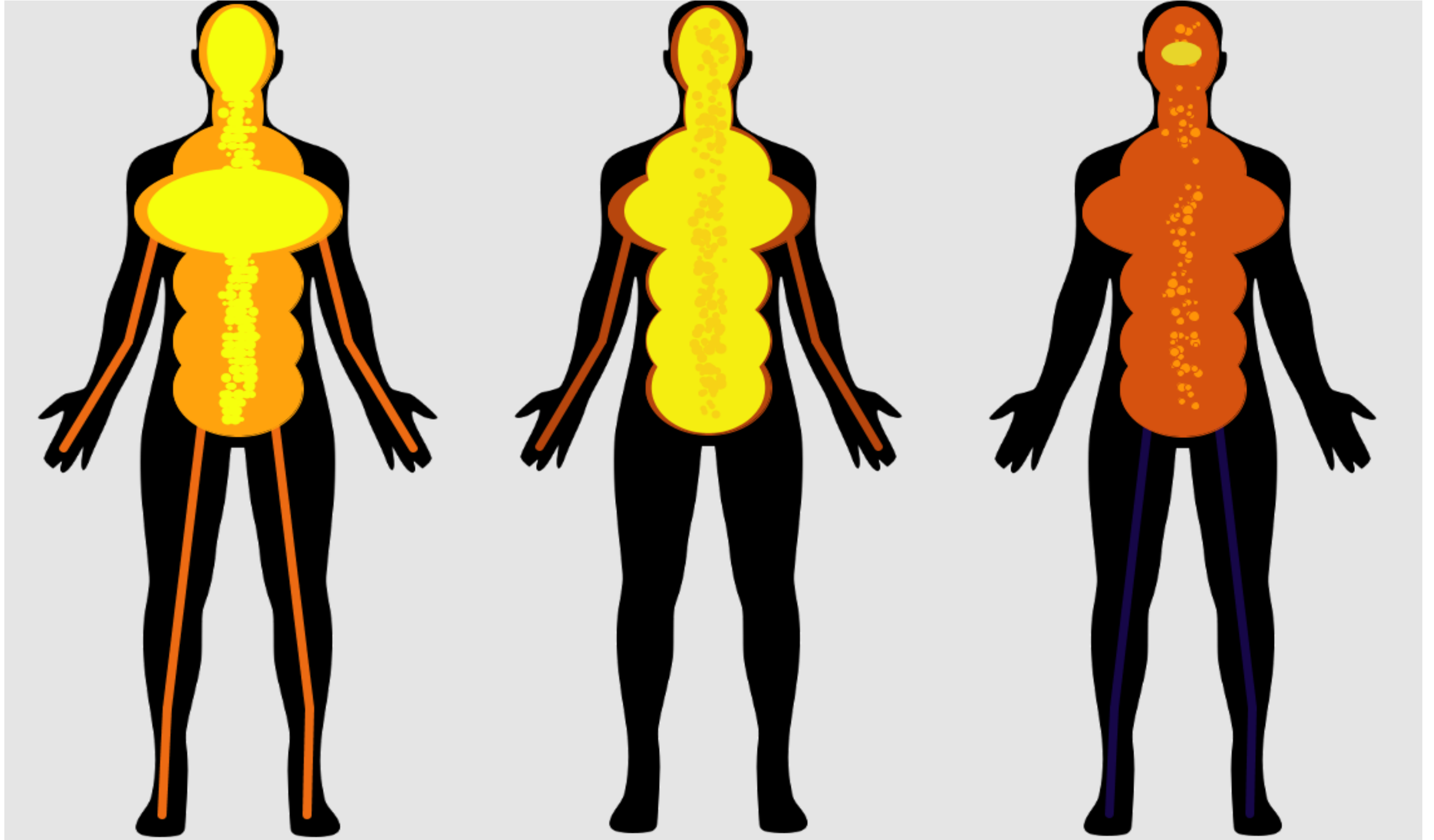


Anger

Sadness

Fear

Emotions



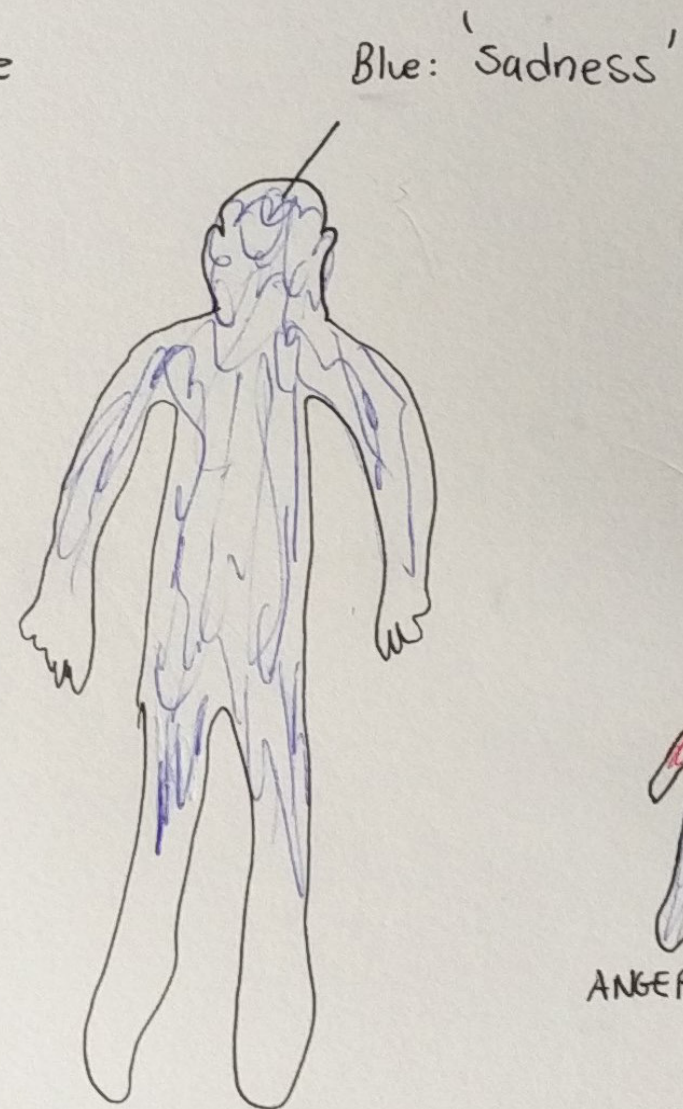
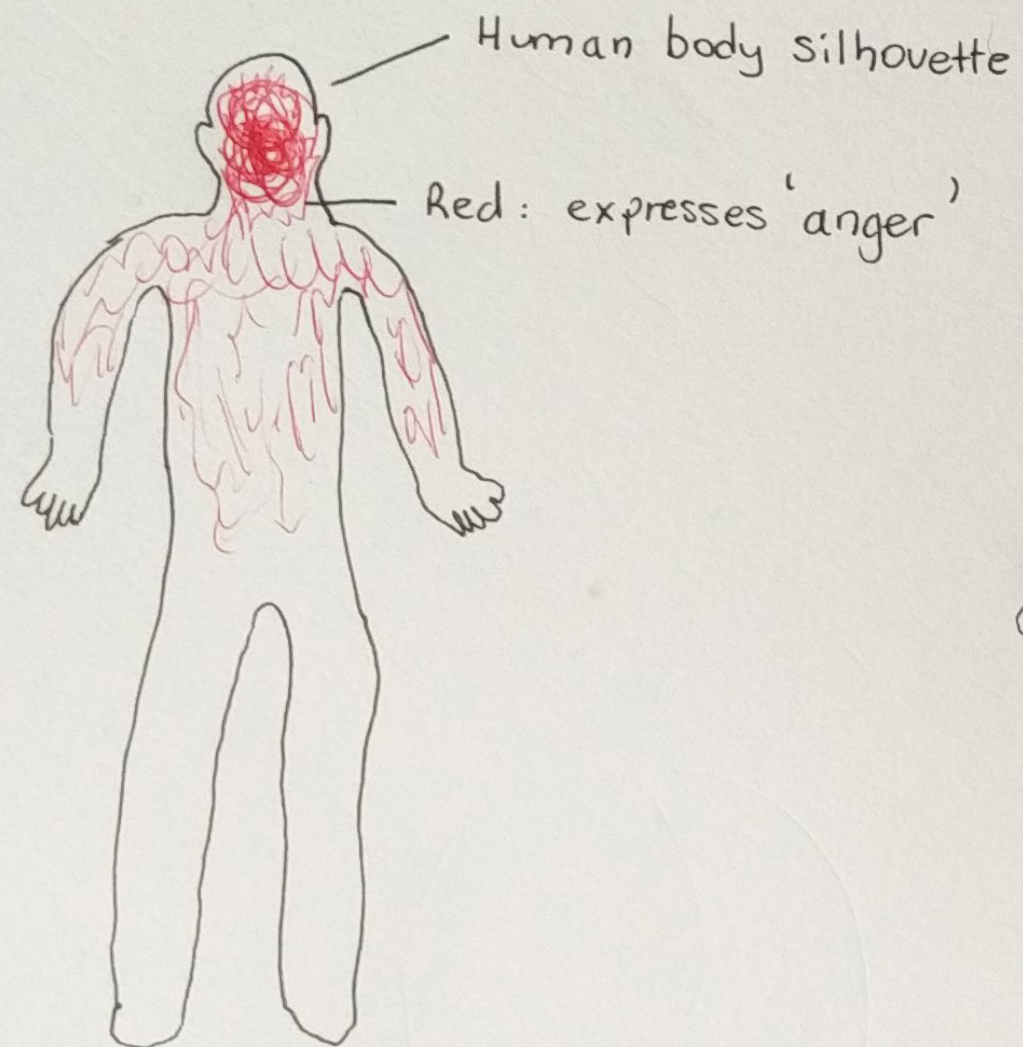
Joy

Love

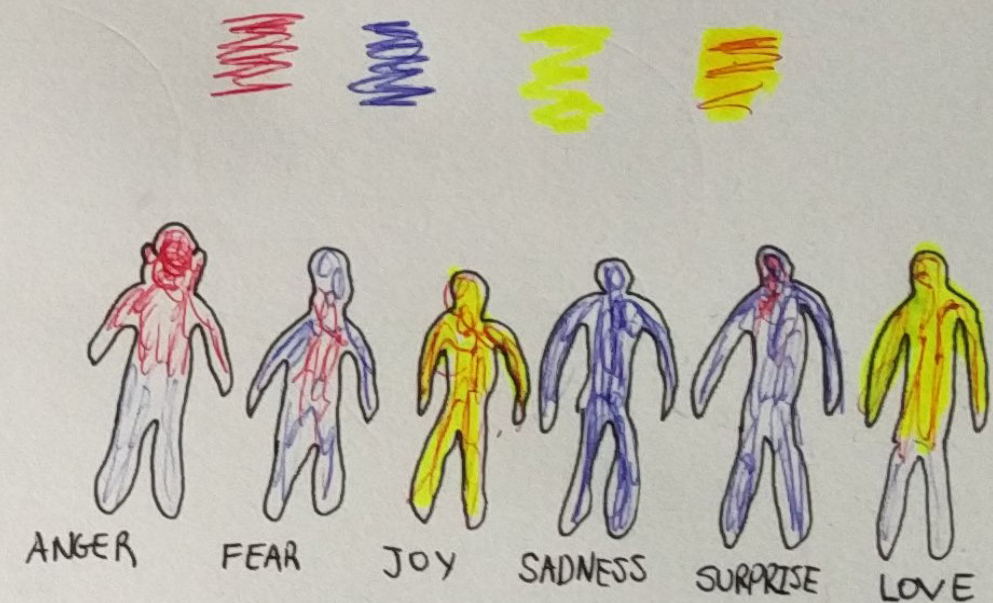
Surprise

Sketches

Express emotions; Anger, Surprise, Sadness, Joy, Love, Fear

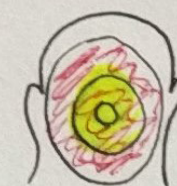


Anger: Bright red upper body / head
Surprise: Blue body, red head
Sadness: Dark blue body
Joy: Bright yellow body
Love: Bright yellow upper body
Fear: Dark red / blue body

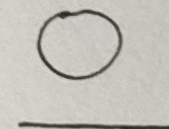


Different colours in the body for each different emotion as found in cognitive augmentation research by MIT.

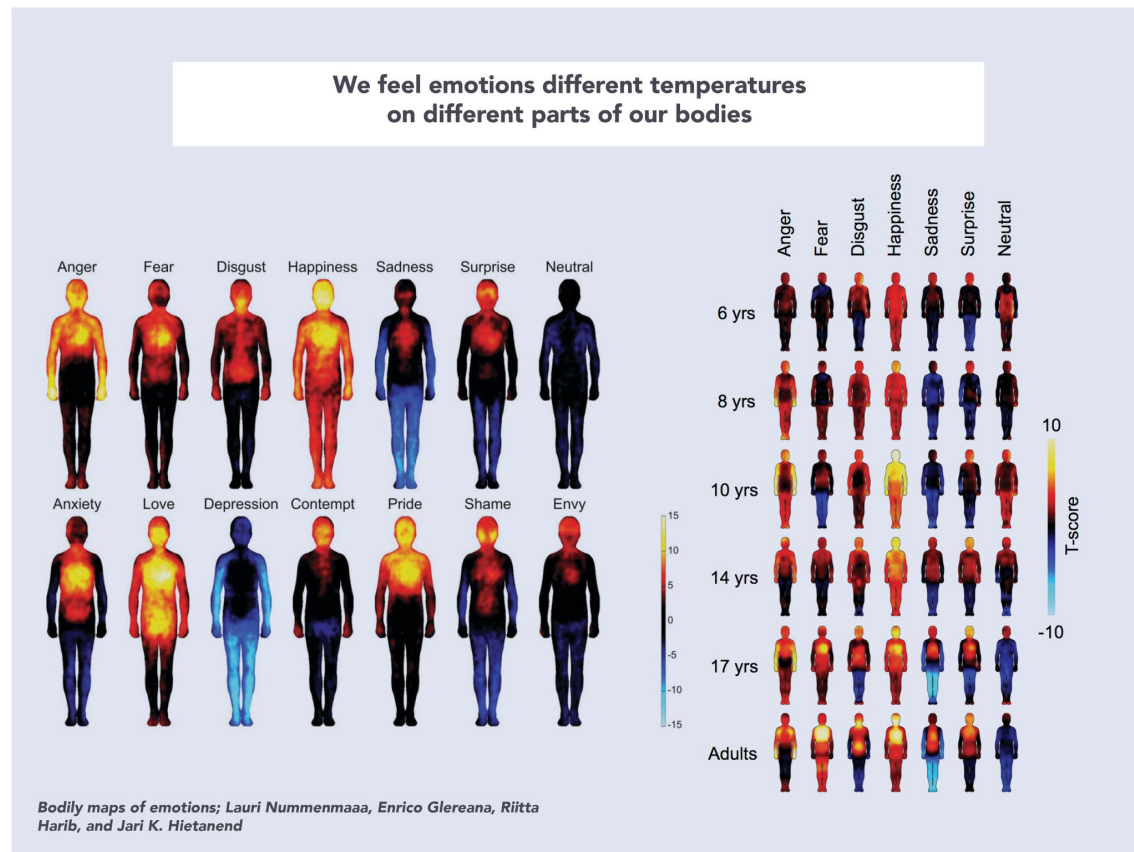
Ellipses 4 main organs
Lines 4 arteries / veins



← Ellipses within silhouette

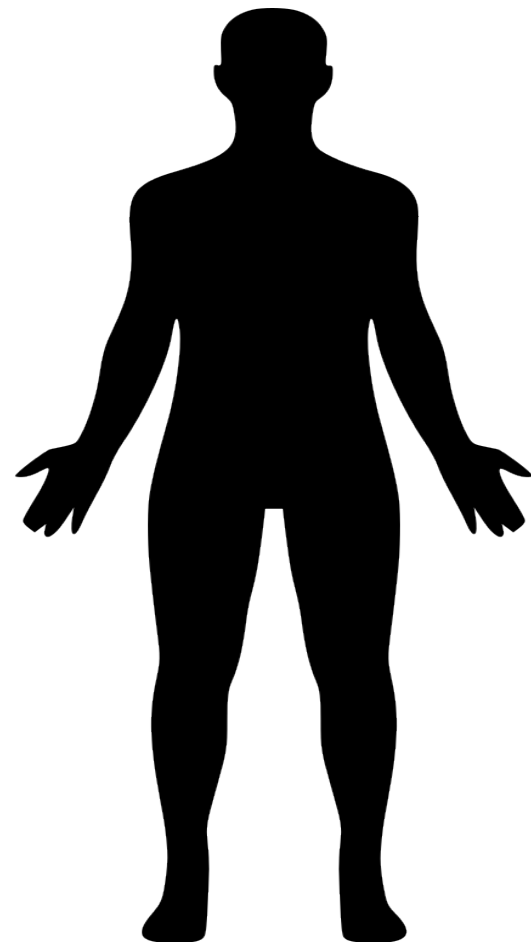


References



Research I based my designs on.

<https://symbiosis.media.mit.edu/author/nikhitamit/>



Human body png image used in my designs.

https://www.iconfinder.com/icons/404426/body_diagram_human_male_man_medical_sex_icon#size=512