

STEM | Create a color palette

Tools needed: Watercolors, brushes, water, scanner/camera.

TASKS

Create a new color scheme for a calculator with white buttons, which also works for people with color vision deficiency.

- 1. Product:** *First, group the buttons and find hierarchies. Which are important buttons that you use often? How many different colors would you need?*
- 2. Color design:** *Decide upon a color scheme which also works for color blind people with protanopia and deuteranopia.*
- 3. Mockup:** *Mix the colors you chose with watercolors and paint in the white buttons on the calculator worksheet (next page).*
- 4. Testing:** *When you are happy with your result, scan the mockup or photograph it, and upload it in the CVD simulator online (next slide after task) to see if your design works.*



