

# Mandelbrot Set

Color by numbers to create a picture of a famous fractal!

## Make your own palette:

3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 26 28 29 30 36 41 45 48 49 50 53 56 60 67 70 99

These numbers measure how long each complex number  $c$  stays close to the origin when we iterate the polynomial  $z^2 + c$ .