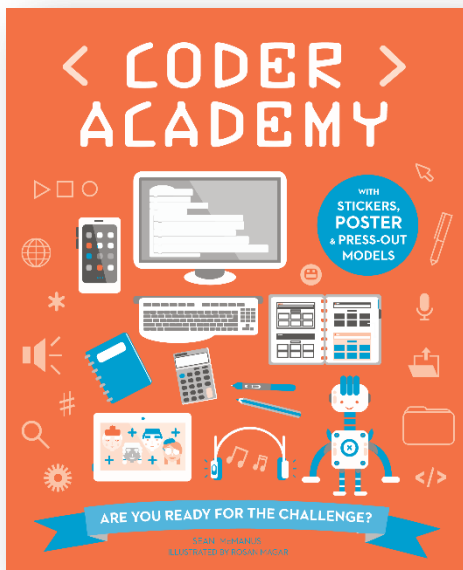


CODER ACADEMY

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Nonfiction | 978-1-61067-600-7 | Ages 7+ | Paperback | 7 ¾ x 9 ½ | 64 pp | \$12.99 | LOC: 2017930981

Love computers? Explore all the skills a coder needs – both on and off the computer – in this fun, interactive book.



- Activities, cool quizzes, and super skill tests.
- Stickers, model, poster, and game included.
- Website designer, animator, music producer ...
- Challenging and creative fun.

WEBSITE

COLOR CODES

Once a web designer has set up a web page, the next job is to make it look good for visitors to the site. The most simple way to do this is to add color.

Computers process color using a number system called hexadecimal. It uses the same numbers as we do, but it also uses the first six letters of the alphabet. This is how you count to 15 in hexadecimal. Our normal counting numbers, called the decimal system, are on the top row:

DECIMAL	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
HEXADEDECIMAL	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

In hexadecimal, the A means ten, the B means eleven and so on. Hexadecimal allows computers to process large numbers with as few characters as possible. For example, in the decimal system, 15 is written with two characters, but in hexadecimal, only one character is used: F.

Here are the hex codes that computers use for each color:

COLOR CODE	COLOR NAME
#FF0000	Bright red
#00FF00	Bright green
#FFFF00	Yellow
#0000FF	Bright blue
#CC00EE	Purple
#00FFFF	Cyan
#FFFFFF	White
#000000	Black

COLOR-BY-HEX

You are going to use the hex codes to color the image below. Check the numbers on the picture against the table opposite. Find the hex code and its color. Then, shade each section with the matching color.

Once you have completed the challenge, place your sticker here.

PLACE STICKER HERE

TASK COMPLETE