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# Lesson 4

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# Generate random color

- RGB representation
- Generate 3 random numbers in range 0 to 255
- Create a color in rgb(x, y, z) format
- Selecting element for coloring
  - Body background: `document.body.style.backgroundColor`
- Create a button and add an onclick event to change color interactively.



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# JS boolean

- Boolean()
- Everything without a value considered as false
  - zero
  - Empty string
  - Undefined null
    - `var x; Boolean(x);`
  - Null
  - False
  - NaN



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# Comparison

- If
- If else
- Nested if else
- Switch case



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# JS loops

- While
- do---while
- for
- for...in
- for....of



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