Summary

* ChatGPT

**Key Points: Variables, Functions, and Inheritance in Sass**

1. **Variables**:
   * Store reusable values like colors, fonts, and sizes.
   * Help maintain consistent styles throughout the project.
   * Example: $primary-color: #3498db;
2. **Functions**:
   * Perform dynamic calculations (e.g., convert px to rem).
   * Improve flexibility and scalability of styles.
   * Example: @function px-to-rem($px) { @return $px / 16 \* 1rem; }
3. **Inheritance**:
   * Use @extend to allow selectors to inherit styles from others.
   * Promotes code reuse and reduces duplication.
   * Example: @extend .button-base;

* Gemini

**Variables:**

* Store and reuse values in Sass.
* Define using $variable-name: value;.
* Reference using $variable-name in properties.

**Functions:**

* Perform calculations and manipulations on values.
* Example: darken() function to darken a color.

**Inheritance:**

* Extend styles from one selector to another using @extend.
* Create base styles and apply them to multiple elements.

**Combined Example:**

* Defines a variable for primary color.
* Creates a base style with common properties.
* Extends the base style to a button.
* Uses the variable and darken() function for button styles.

**Benefits:**

* Improved code organization and maintainability.
* Reusability of styles.
* Dynamic styling based on variable values.