```
Expo + NativeWind + Tailwind Setup (2025)
=======================================
Works with: Expo Router, React Compiler, and Expo SDK 52+
Updated: November 2025
```

1. Create a New Expo Project
```
--------------------------
npx create-expo-app@latest my-native-app
cd my-native-app
```

Choose "Blank (TypeScript)" or "Tabs (TypeScript)".

2. Install NativeWind + Dependencies
```
-----------------------------------
npm install nativewind react-native-reanimated@~4.1.1
react-native-safe-area-context@~5.6.0
npm install -D tailwindcss@^3.4.17 prettier-plugin-tailwindcss@^0.5.11
```

3. Initialize Tailwind
```
--------------------
npx tailwindcss init
```

Edit tailwind.config.js:

```js
module.exports = {
  content: [
    "./App.{js,jsx,ts,tsx}",
    "./app/**/*.{js,jsx,ts,tsx}",
    "./components/**/*.{js,jsx,ts,tsx}",
  ],
  presets: [require("nativewind/preset")],
  theme: { extend: {} },
  plugins: [],
};
```

4. Create global.css
```
--------------------
@tailwind base;
@tailwind components;
@tailwind utilities;
```

5. Babel Config (babel.config.js)
```js
-------------------------------
module.exports = function (api) {
  api.cache(true);
  return {
    presets: [
      ["babel-preset-expo", { jsxImportSource: "nativewind" }],
      "nativewind/babel",
    ],
  };
};
```

```
6. Metro Config (metro.config.js)
-------------------------------
const { getDefaultConfig } = require("expo/metro-config");
const { withNativeWind } = require("nativewind/metro");


const config = getDefaultConfig(__dirname);
module.exports = withNativeWind(config, { input: "./global.css" });


7. Update app.json
------------------
Add "bundler": "metro" under the "web" section.

"web": {
  "bundler": "metro"
}


8. App Entry File (App.tsx)
--------------------------
If using Expo Router:
import "./global.css";
import { Slot } from "expo-router";
export default function App() {
  return <Slot />;
}


If not using Router:
import "./global.css";
import { View, Text } from "react-native";
export default function App() {
  return (
    <View className="flex-1 items-center justify-center bg-white">
      <Text className="text-blue-500 text-2xl font-bold">
        NativeWind is Working!
      </Text>
    </View>
  );
}


9. Type Declarations
-------------------
nativewind-env.d.ts
/// <reference types="nativewind/types" />


expo-env.d.ts
/// <reference types="expo/types" />


10. Run App
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npx expo start -c


Press a for Android, w for web, i for iOS.
```

```
11. Test Component (app/(tabs)/index.tsx)
-----------------------------------------
import { View, Text } from "react-native";
import React from "react";
export default function HomeScreen() {
  return (
    <View className="flex-1 items-center justify-center bg-black">
      <Text className="text-3xl font-bold text-blue-400">
        NativeWind Working!
      </Text>
    </View>
  );
}
```

```
12. Common Fixes
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ReanimatedModule error -> npm install react-native-reanimated@~4.1.1
Styles not showing -> Ensure App.tsx imports './global.css'
No effect on save -> Run npx expo start -c
SafeArea warning -> Upgrade react-native-safe-area-context@~5.6.0
```

```
Final Folder Structure (Your Example)
-------------------------------------
my-native-app/
|-- app/
|   |-- (tabs)/
|   |   |-- index.tsx
|   |-- _layout.tsx
|-- assets/
|-- components/
|-- constants/
|-- hooks/
|-- scripts/
|-- App.tsx
|-- app.json
|-- babel.config.js
|-- metro.config.js
|-- tailwind.config.js
|-- global.css
|-- nativewind-env.d.ts
|-- expo-env.d.ts
|-- tsconfig.json
|-- package.json
|-- package-lock.json
|-- README.md
```

```
Done!
You now have Expo Router + NativeWind + TailwindCSS working with React Compiler,
TypeScript, and Metro bundler.
```