```
import nbformat
import nbconvert
import os
import shutil

def convert_notebook_to_colorful_html(notebook_path, output_dir="output"):
    """
    Converts a Jupyter Notebook to a colorful HTML file.

    Args:
        notebook_path (str): Path to the Jupyter Notebook file.
        output_dir (str, optional): Directory to save the output HTML. Defaults to "output".
    """
    try:
        # Create the output directory if it doesn't exist
        os.makedirs(output_dir, exist_ok=True)

        # Read the notebook
        with open(notebook_path, 'r', encoding='utf-8') as f:
            notebook = nbformat.read(f, as_version=4)

        # Configure the HTML exporter for colorful output
        html_exporter = nbconvert.HTMLExporter(
            template_name='classic',
            highlight_code='pygments', # Enable syntax highlighting
            extra_template_paths=['.'], # Add current dir to template path
        )

        # Process the notebook
        (body, resources) = html_exporter.from_notebook_node(notebook)

        # Extract the notebook filename (without extension) for the output HTML filename
        notebook_filename = os.path.splitext(os.path.basename(notebook_path))[0]
        output_html_path = os.path.join(output_dir, f"{notebook_filename}.html")

        # Write the HTML output
        with open(output_html_path, 'w', encoding='utf-8') as f:
            f.write(body)

        print(f"Successfully converted '{notebook_path}' to '{output_html_path}'")

        # Copy any necessary resources (e.g., images) to the output directory
        if 'outputs' in resources:
            for filename, data in resources['outputs'].items():
                if isinstance(data, dict) and 'image/png' in data:
                    image_data = data['image/png']
                    image_path = os.path.join(output_dir, filename)
                    with open(image_path, 'wb') as f:
                        f.write(bytes.fromhex(image_data)) # write binary image data
```

```
            elif isinstance(data, dict) and 'image/jpeg' in data:
                image_data = data['image/jpeg']
                image_path = os.path.join(output_dir, filename)
                with open(image_path, 'wb') as f:
                    f.write(bytes.fromhex(image_data))
            elif isinstance(data, dict) and 'image/svg+xml' in data:
                image_data = data['image/svg+xml']
                image_path = os.path.join(output_dir, filename)
                with open(image_path, 'w', encoding="utf-8") as f:
                    f.write(data['image/svg+xml'])
            elif isinstance(data, dict) and 'text/html' in data:
              html_content = data['text/html']
              file_path = os.path.join(output_dir, filename)
              with open(file_path, 'w', encoding='utf-8') as f:
                f.write(html_content)

    except Exception as e:
        print(f"An error occurred: {e}")

# Example usage (replace with your notebook path)
notebook_url = "https://raw.githubusercontent.com/Sat-ish77/Data-Visualization-Mini-Project/
master/Data_Visualization_Project.ipynb"
import urllib.request
import tempfile

with urllib.request.urlopen(notebook_url) as response:
    notebook_content = response.read()

with tempfile.NamedTemporaryFile(suffix=".ipynb", delete=False) as temp_notebook_file:
    temp_notebook_file.write(notebook_content)
    temp_notebook_path = temp_notebook_file.name

convert_notebook_to_colorful_html(temp_notebook_path)

os.unlink(temp_notebook_path) #delete temp file
```